

RECORD OF PUBLIC BID OPENING

REQUISITION # B 497990S

Bid Title: POWELL BUNKHOUSE SNOW COVERS

Bid Closing Date: September 18, 2008 @ 5:00 PM

Bid Open Date: September 19, 2008 @ 10:30 AM

STATUS: Awarded – Reiber Construction Company, Missoula, MT 59808

			Bidder	Bidder	Bidder		
			Holcomb Construction 109 N. College Grangeville, ID 83530	Reiber Construction Co 5340 Momont Road Missoula, MT 59808	JH Landworks 16515 Hollister Hills Hauser, ID 83854		
Item No	Description	Unit	Amount Bid	Amount Bid	Amount Bid		
1	FOUNDATION INSTALLATION AND ERECTION OF A STEEL FRAME SNOW COVER AT THE POWELL MAINTENANCE SITE – NORTH	EA	44,000.00	39,150.00	49,250.00		
2	FOUNDATION INSTALLATION AND ERECTION OF A STEEL FRAME SNOW COVER AT THE POWELL MAINTENANCE SITE – SOUTH	EA	44,000.00	39,150.00	49,250.00		
	Total		88,000.00	78,300.00	98,500.00		

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	Total		88,000.00	78,300.00	98,500.00		

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REQUISITION # B 497990S

Bid Title: POWELL BUNKHOUSE SNOW COVERS

Bid Closing Date: September 18, 2008 @ 5:00 PM

Bid Open Date: September 19, 2008 @ 10:30 AM

STATUS: UNDER EVALUATION

			Bidder	Bidder	Bidder
			Holcomb Construction 109 N. College Grangeville, ID 83530	Reiber Construction Co 5340 Momont Road Missoula, MT 59808	JH Landworks 16515 Hollister Hills Hauser, ID 83854
Item No	Description	Unit	Amount Bid	Amount Bid	Amount Bid
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	Total		88,000.00	78,300.00	98,500.00

IDAHO TRANSPORTATION DEPARTMENT
INVITATION TO BID

POWELL BUNKHOUSE SNOW COVERS

September 3, 2008

Idaho Transportation Department
Business and Support Management Purchasing Unit
3311 West State Street
Boise, Idaho 83703

REQUISITION #: B497990S

ALL sealed bids must be received by 5:00 pm on September 18, 2008. Sealed bids will be opened at 10:30 am on September 19, 2008 at Business and Support Management Purchasing Unit, at 3311 West State Street in Boise. The scope of work consists of foundation installation and erection of two steel frame snow covers over existing manufactured housing at the Powell Maintenance site on US – 12, MP 162.8, Clearwater County, Idaho.

Public Works Contractor's License is required

Contact Kathy Chase, Business & Support Manager for clarification of bid requirements at (208) 334-8752.

Fax ALL questions regarding bid specifications to: (208) 334-8824

FOR BID RESULTS, PLAN HOLDERS LIST VISIT:

<http://itd.idaho.gov/business/business.htm>

Below the section titled: Bid and Contract Information

Select: ITD Goods and Services

RETURN BID IN A SEALED ENVELOPE CLEARLY MARKED AS SHOWN:

Requisition #: B497990S

Bid Close Date: 09/18/08 – 5:00 PM Bid Open Date: 09/19/08 – 10:30 AM

Item Bidding: POWELL BUNKHOUSE SNOW COVERS

Mailing Address

Idaho Transportation Department
Business and Support Management Purchasing Unit
(3311 W State St – 83703)
P.O. Box 7129
Boise, Idaho 83707-1129

POWELL BUNKHOUSE SNOW COVERS

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**INVITATION TO BID
POWELL BUNKHOUSE SNOW COVERS**

REQUISITION NO. B497990S

I. SCOPE OF WORK

1. PURPOSE

The purpose of this ITB is to solicit sealed bids to establish a contract between the Idaho Transportation Department (ITD) and a Contractor, for foundation installation and erection of two steel frame snow covers over existing manufactured housing at the Powell Maintenance site on US – 12, MP 151, Clearwater County, Idaho. Steel structures will be supplied by ITD.

2. SUMMARY SCOPE OF WORK

The scope of work consists of foundation work and erection of two 34' X 80' steel frame snow covers as shown on the Attached Plan Sheets and described in the ITB and Architectural Special Provisions.

The complete steel snow covers are on site.

The foundation engineering is complete and is part of this specification.

The Contractor shall furnish and install all necessary parts and accessories required for complete foundation installation including but not limited to rebar, concrete, anchor bolts, and other items essential for the complete project.

3. CONSTRUCTION REQUIREMENTS

The design parameters are supplied with this ITB.

Design loads according to the 2006 International Building Code

Ground Snow Load: 140 PSF
Roof Snow Load: 117.6
Wind load: 90 MPH, exposure B
Minimum Footing Depth – 3'6"
Seismic Design Category: B
Site Class: D
Flood loads are non-applicable to this project.

All finish grading and site finish work 10'-0" outside of the roofline will be completed by ITD state forces. All finish grading and site finish work within 10'-0" of the outside roof line will be completed by the Contractor. The Contractor shall be responsible for the foundation excavation and backfill.

4. METHOD OF MEASUREMENT

Measurement will be on the lump sum basis for the installation of two snow covers in place in accordance with the plans and specifications.

5. BASIS OF PAYMENT

The accepted quantities will be paid for at the contract unit price for the item listed below:

Payment will be made under:

Pay Item

Pay Unit

Erect two Steel Snow Covers

Lump Sum

II. ARCHITECTURAL SPECIFICATIONS

1. DIVISION NO. 2 - SITE WORK

2.0 General

The building site will be graded by State Forces to an approximate 0.5' above or below floor elevation. The Contractor shall complete foundation and other miscellaneous excavations and backfill as required.

2.1 Excavation

Excavation shall be made in accordance with the applicable provisions of ITD Standard Specifications, Section 210 - Excavation for Structures, and shall include all excavating and backfilling of sewers, water, plumbing, heating and electrical work. Provisions shall be made for the installation of all work as the building progresses. Cutting and patching to install omitted work shall be avoided.

Excavation shall be made to the indicated elevation or dimension plus sufficient space to permit erection of forms and shoring, to allow proper installation of below-grade materials, and to allow proper inspection of foundations and below-grade installations. Excavations shall be shored and braced if necessary to prevent cave-in. Such shoring and bracing shall be removed before backfill is completed, but not until permanent supports are in place. Excavations shall be kept free from water.

2.2 Fill

Material under footings and foundations shall be compacted to the requirements of Class A in accordance with ITD Standard Specifications, Section 205 - Excavation and Embankment. All backfill around foundations and footings shall be an approved granular material placed and compacted to the requirements of Class A by the Contractor in accordance with Section 205.

Trash shall not be allowed to accumulate in spaces to be backfilled; such spaces shall be thoroughly cleaned before backfill is placed therein. Frozen particles, large stones, vegetable matter, or trash shall not be used in fill or backfill.

Fill, which is exterior to the building site and not under Portland cement concrete, except driveways and approaches, will be considered non-load-bearing. Non-load-bearing fill shall be placed in layers of not more than 12-inch loose measurement and thoroughly compacted. Driveway and approach fills shall be compacted in accordance with all applicable provisions of ITD Standard Specifications, Section 205-Compaction, Class A Compaction.

No fill or backfill shall be placed without approval.

The Contractor shall conduct work in an orderly manner and so as not to create a nuisance. Dirt shall not be permitted to accumulate on streets or sidewalks or to be washed into sewers.

The Contractor shall remove from the site and legally dispose of all debris. Excavated material not required for fill shall be removed or spread on the site as directed.

2.5 Soil Preparation

No waste concrete, mortar, or building materials are to be buried on the site. They shall be removed by the Contractor.

2. DIVISION NO. 3 - CONCRETE

3.0 General

Portland cement concrete shall meet the requirements of ITD Standard Specifications, Section 502. Specific requirements are included in the attached foundation calculations and drawings.

3.1 Form Work

Suitable and adequate wood, fiber, or metal forms shall be used for contact surfaces, conforming to shapes, lines, grades and dimensions of concrete shown on drawings. Mortar-tight, well-braced ties and supports shall be used to maintain desired position during and after placing concrete, designed for removal without injury to concrete.

Undressed lumber will be permitted for form work, except for permanently exposed exterior and interior "finished" surfaces.

Double form all footings with boards. Earth forms are not acceptable, except as indicated or approved. Before any concrete placement is started, the form work shall be cleaned of chips, trash, and sawdust.

3.2 Concrete Tests

6" X 12" cylinders will be taken at the point of placement in the forms for all plain and reinforced concrete, at the discretion of the Engineer and will be taken by State Forces.

Cylinders will be tested in accordance with AASHTO methods by the State Laboratory.

3.3 Reinforcement

Reinforcing bars shall meet the requirements of ITD Standard Specification, Section 503, and "Standard Specifications for Billet-Steel Bars for Concrete Reinforcement," ASTM A 15, Intermediate grade bars deformed in accordance with ASTM A 305; unpainted, uncoated, free from rust and loose scale.

3.3.1 Support for Reinforcement

Metal wire ties shall be used for formed members or walls.

III. BID GUIDELINES

1. INFORMATION GIVEN PRIOR TO AWARD

Oral explanations, instructions and interpretations given to bidders prior to award of contract will not be binding. It is the Department's intent to provide all bidders equal opportunity to access and acquire all available pertinent information necessary to formulate a responsive bid. Any information, specifications, plans, data or interpretations which the Department discovers is lacking and may be important to all bidders, will be furnished to all bidders in the form of an addendum, the receipt of which shall be acknowledged.

2. PERFORMANCE

Submission of a bid by any Contractor shall be accepted as prima facie evidence that they have satisfied themselves as to the nature and location of the work and all other matters, which can in any way affect the work or cost thereof under the contract. Any failure of the Contractor to acquaint themselves with all available information, including a physical survey of the site of the proposed work, shall not relieve them from successfully performing all the work required.

3. BIDDING REQUIREMENTS AND CONDITIONS

Sealed Bids will be received at the time and place stated in this bid document. Timely receipt of Bids will be determined by the date and time the Bid is received at the address specified. Hand delivery is encouraged to ensure timely receipt. No bids will be accepted after the time indicated. All material that is submitted in accordance with this solicitation becomes the property of the State of Idaho and will not be returned.

The bidder shall submit their bid upon the forms furnished by the Department. The bidder shall complete the bid schedule as noted in this bid document. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern. All figures shall be written in ink or typed. Penciled entries will not be accepted. If entries are in pencil, the bid shall be considered irregular and the bid will be rejected.

The bidder's bid shall be signed with blue ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the bidder legally qualified and acceptable to the State. If the bid is made by an individual, their name and post office address shall be shown; by a partnership, the name and post office address of each partner shall be shown; as a joint venture, the name and post office address of each member or officer of the firms represented by the joint venture shall be shown; by a corporation, the name of the corporation and the business address of its corporate officials shall be shown.

4. IRREGULAR BIDS

Bids will be considered non-responsive and shall be rejected for the following reasons:

1. If the Bid Form(s) are on a form other than that furnished by the State or if the form is altered or any part thereof is detached.

2. If there are unauthorized additions, conditional or alternate bids, omission of addenda, or irregularities of any kind, which tend to make the bid incomplete, indefinite, or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the Bid Schedule does not contain a unit price for each pay item listed except in the case of alternate pay items.
5. If the Bid Documents are not sealed, when received by the Department.
6. If the Signature Page is not signed in **BLUE** ink.
7. If Addendums are not **signed, dated** and returned with the Bid Documents.
8. If the required, **Public Works** License Number(s) is not inserted on the Signature Page.
9. If the contractors Federal Identification number is not inserted on the Signature Page.

5. DISQUALIFICATION OF BIDDERS

Any of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of their bid or bids:

1. More than one bid, for the same work from an individual, partnership or corporation under the same name or a different name.
2. Evidence of collusion among bidders. Participants in such collusion will receive no recognition as bidders for any future work of the State until any such participant shall have been reinstated as a qualified bidder.

6. BID GUARANTY / SURETY BOND REQUIREMENTS

No bid will be considered unless accompanied by a guaranty of the character and in an amount not less than the amount indicated on the Bid.

If a surety bond is used, it shall be submitted on an acceptable form signed by the bidder and their surety company. Power of Attorney for the person who executes the bond on behalf of the surety as Attorney-In-Fact must accompany the bid bond.

The lowest responsive bidder shall furnish a performance bond and a payment bond each in the amount of the contract.

The lowest responsive bidder may deposit government obligations in lieu of performance and payment bonds under the following conditions:

1. The obligations shall be acceptable to the State Treasurer.
2. The obligations shall be payable to, or fully negotiable by, the Department.

3. The obligation shall be in an amount equal at fair market value to the penal sum of the required surety bonds.
4. The bidder pays the initial and return transfer charges for transmittal of the obligation of the Treasurer's Office.

Within **90 days** after final completion of the contract those obligations deposited, as a performance bond will be returned, less any amount owed to the Department as a result of this contract. Obligations deposited, as the payment bond shall be held for a period of one year from the date of acceptance of the contract for settlement of claims in accordance with Idaho Code, Section 54-1927.

Government obligations shall be deposited with the State Treasurer with instructions to issue a safe keeping receipt to the Department.

7. CONSIDERATION OF BIDS AND METHOD OF CONTRACT AWARD

After the bids are opened and read, they will be compared on the basis of the summation of the products of the approximate quantities shown in the bid schedule by the unit bid prices. The results of such comparisons will be available at <http://itd.idaho.gov>, "*Doing Business with ITD, Bid and Contractor Information, ITD Goods and Services*". ITD reserves the right to reject any or all bids, to waive technicalities, to advertise for new bids, or to proceed to do the work otherwise, if, in the judgment of the Department, and is in the best interest of the State.

The right is reserved to reject any or all bids, to waive technicalities, to advertise for new bids, or to proceed to do the work otherwise, if, in the judgment of the Department, it is in the best interest of the State.

Contract award will be made based on the total extended price of all bid items. The award will be all or none to one bidder, however the State reserves the right to award all or selective amounts of bid items.

8. EXECUTION / AWARD OF THE CONTRACT

The award of contract, if it is awarded, will be made within **7 calendar days** after the Intent to Award Notice letter has been mailed to the lowest responsive bidder whose bid complies with all requirements prescribed.

However, the award may be deferred beyond **7 calendar days** by mutual written agreement between the Department and the lowest responsive bidder.

The contract shall be signed by the lowest responsive responsible bidder and returned together with the Surety bonds, **within 7 calendar days** after the bidder has received the contract. If the contract is not executed by the State **within 7 calendar days** following receipt from the bidder of the signed contracts and bonds, the bidder shall have the right to withdraw their bid without penalty. No contract shall be considered as effective until it has been fully executed by all of the parties thereto.

9. FAILURE TO EXECUTE CONTRACT

Failure to execute the contract and file acceptable bonds within **7 calendar days**, after the contract has been received by the bidder, shall be just cause for the cancellation of the award of contract and the forfeiture of the bid guaranty which shall become the property of the State, not as a penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder or the work may be re-advertised or otherwise, as the Department may decide.

10. RETURN OF BID GUARANTY

Bid guaranties, except those of the two lowest responsive bidders, will be returned immediately following the opening and checking of the bids. The retained bid guaranty of the unsuccessful of the two lowest responsive bidders will be returned within 10 days following the award of contract and that of the successful bidder will be returned after satisfactory Surety bonds have been furnished and the contract has been executed.

IV. TERMS AND CONDITIONS

1. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

The Standard Specifications for Highway Construction (ITD 2004) and any updates are incorporated by reference where applicable to this project. Where general and supplementary conditions and Section 100 specification sections are referred to; current industry standards shall be followed. Department shall be construed to mean the State of Idaho through the Idaho Transportation Department (ITD). Where approval of Architect or Engineer is required, it shall be construed to mean Architect. The Idaho Transportation Department's Standard Specifications for Highway Construction manual is available to the Contractor for \$30.00 plus tax. Contact the Idaho Transportation Department at 334-8430 to purchase.

2. CONTRACT ADMINISTRATION

Unless otherwise modified by this Invitation to Bid, the contract and work for the project shall be administered in accordance with ITD's 2004 Standard Specifications for Highway Construction. The most current version of ITD's Supplemental Specifications to the 2004 Standard Specifications shall also apply.

3. CONTRACT TERM

The contract term is non-renewable. Work shall be completed within 30 calendar days after authority to proceed has been given. The Contractor shall not sublet, sell, transfer, assign or otherwise dispose of the Contract or Contracts or any portion thereof, or of the Contractor's right, title or interest therein.

4. LIQUIDATED DAMAGES

The amount of liquidated Damages for failure to complete the work within 30 calendar days will be \$100.00 per day.

5. PAYMENT REQUIREMENTS

Payments will be made as provided. Upon satisfactory completion of services specified, the Contractor may be paid monthly and after receipt of invoices. Payments otherwise due may be withheld for substandard or defective work not remedied.

6. CHANGES

The Department reserves the right to revise the "Work Locations and Schedule" and to make other changes within the general Scope of Work as may be deemed necessary to best serve the interests of the Department. Changes in compensation, which may result from such revisions, shall be documented by formal Change Order to the contract and approved by the Purchasing Agent.

7. CLAIMS FOR ADJUSTMENT AND DISPUTES

If the Contractor believes that additional compensation is due them for work or material not clearly covered in the contract, or not ordered as extra work, as defined herein, they shall prosecute their claim in the following manner.

Prior to doing the work on which they believe additional compensation is due them, the Contractor shall notify the District Engineer in writing of their intent to file a claim. If such notification is not given, then the Contractor shall thereby waive their right to any claim for such additional compensation.

At a minimum, the detailed letter shall include a narration of events, citing of entitlement and a showing of the amount of compensation and/or adjustment of time believed due. Full documentation for all elements in the letter shall be included. The claim will be considered and a determination made. The District Engineer will notify the Contractor in writing of the decision.

The decision will be final and conclusive unless, within thirty (30) days from receipt of the District Engineer, the Contractor submits an appeal in writing to the Department Purchasing Agent. All pertinent information, references, arguments and data to support the claim shall be included. The Purchasing Agent will review the claim and the Contractor will be notified by mail. This decision will be final and conclusive. Pending final decision of a dispute hereunder the Contractor shall proceed diligently with performance of the contract.

8. FORCE MAJEURE

Neither party shall be liable or deemed to be in default for any Force Majeure delay in shipment or performance occasioned by unforeseeable causes beyond the control and without the fault or negligence of the parties, including, but not restricted to, acts of God or the public enemy, fires, floods, epidemics, quarantine, strikes, freight embargoes, or unusually severe weather, provided that in all cases the Contractor shall notify the State promptly in writing of any cause for delay and the State concurs that the delay was beyond the control and without the fault or negligence of the Contractor. The period for the performance shall be extended for a period equivalent to the period of the Force Majeure delay. Matters of the Contractor's finances shall not be a Force Majeure.

9. COMPLIANCE

If the Department registers a formal and written complaint by certified mail, with the Contractor in respect to undesirable or unsatisfactory conditions, the Contractor will have 72 hours in which to respond in person to the complaint, to the District Contract Administrator to remedy the problem(s). Failure to respond in the prescribed time to the complaint or to remedy the problem may result in termination of the contract as provided in Section 10 TERMINATION.

If the Department is not satisfied with the results and remediation of the complaint, the District Contract Administrator may require periodic and joint inspections of the area with the Contractor to discuss and point out Contractors violations. Failure of the Contractor to attend these inspections may result in termination of the contract.

10. TERMINATION

Should the Contractor neglect to prosecute the work properly, or fails to perform any provision of the contract, the Department, after seven (7) days from written notice to the Contractor, may without prejudice to any other remedy they may have, make good the deficiencies and may deduct the cost thereof from the payment then or thereafter due to the Contractor or, at its option, may terminate the contract and take possession of all materials, tools, fixtures and furnish the work by such means as the Department sees fit, and if the unpaid balance of the contract price exceeds the expense of finishing the work, such excess shall be paid to the Contractor, but if such expense exceeds such unpaid balance, the Contractor's surety shall pay the difference to the Department.

11. INDEMNIFICATION

The Contractor shall indemnify, save harmless, and defend regardless of outcome, the State from the expenses of and against all suits, actions, claims, or costs, expenses, and attorney fees that may be incurred because of any injuries or damages received or sustained by any person, persons, or property on account of the operations of the Contractor; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in the work; or because of any act or omission, neglect, or misconduct of the Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act or any other law, ordinance, order or decree.

12. ILLEGAL ALIENS

The contractor warrants that any contract resulting from this solicitation is subject to Executive Order 2006-04 (http://gov.idaho.gov/mediacenter/execorders/eo06/eo_2006-40.html); it does not knowingly hire or engage any illegal aliens or persons not authorized to work in the United States; it takes steps to verify that it does not hire or engage any illegal aliens or persons not authorized to work in the United State; and that any misrepresentation in this regard or any employment of person not authorized to work in the United States constitutes a material breach and shall be cause for termination of its contract.

13. INSURANCE REQUIREMENTS

The Contractor shall carry such public liability and property damage insurance that will protect them and the State of Idaho from claims for damages for bodily injury, including accidental death, as well as for claims for property damages, which may arise from operations under the contract whether such operations be by themselves or by anyone directly or indirectly employed by either of them.

The Contractor shall not commence work under the contract until he obtains all insurance required under this provision and furnishes a certificate or other form showing proof of current coverage to the State. All insurance policies and certificates must be signed copies. After work commences, the Contractor will keep in force all required insurance until the contract is terminated.

The following is a brief explanation of the required insurance coverage's.

1. Worker's Compensation. The CONTRACTOR and all employers providing work, labor or materials under this contract, are subject employers under the Idaho Worker's Compensation Law, and shall comply with Idaho Statutes regarding Worker's Compensation.

For the duration of this Contract, and until all work specified herein is complete, the CONTRACTOR and all employers providing work, labor or materials under this contract, shall provide Idaho Worker's Compensation coverage that satisfies Idaho law for all their subject workers.

The CONTRACTOR must provide either a Certificate of Idaho Workers' Compensation Insurance issued by a surety licensed to write Idaho Workers' Compensation Insurance in the State of Idaho, as evidence that the CONTRACTOR has in effect a current Idaho Workers' Compensation Insurance policy, or an extraterritorial certificate approved by the Idaho Industrial Commission from a State that has a current reciprocity agreement with the Industrial Commission.

2. Employer's Liability. This coverage is written in conjunction with Worker's Compensation and provides insurance for the employer's liability to its employees in circumstances where the injury is not covered by the Worker's Compensation law and the employer may be subject to common law liability. Employer's liability insurance shall be a minimum amount of \$100,000 per occurrence.
3. Liability Insurance. For the duration of the Contract and until all work specified in the Contract is completed, the CONTRACTOR shall have and maintain, at CONTRACTOR'S expense, the liability insurance set forth below and shall comply with all limits, terms and conditions of such insurance. Work under this Contract shall not commence until evidence of all required insurance is provided to the Department. Evidence of insurance shall consist of a completed certificate of insurance signed by the insurance agent for the CONTRACTOR and made a part of this Contract.
4. Commercial General Liability Insurance. The CONTRACTOR shall have and maintain Commercial General Liability (CGL) Insurance covering bodily injury and property damage. This insurance shall include personal injury liability coverage; blanket contractual liability coverage for the indemnity provided under this Contract and products/completed operations liability. The combined single limit per occurrence shall not be less than \$1,000,000 or the equivalent. Each annual aggregate limit shall not be less than \$1,000,000, when applicable, and will be endorsed to apply separately to each job site or location.
5. Automobile Liability Insurance The Contractor shall obtain, at the Contractor's expense, and keep in effect during the entire term of the contract, Automobile Liability Insurance covering owned, non-owned and hired vehicles. This coverage may be written in combination with Commercial General Liability Insurance. Combined single limit per occurrence shall not be less than \$1,000,000.

Additional Requirements:

State of Idaho as Additional Insured: The liability insurance coverage required for performance of the Contract shall include the State of Idaho, the Idaho Transportation Department and its division, officers and employees as additional insured, but only with respect to the CONTRACTOR'S activities to be performed under this Contract.

Notice of Cancellation or Change: The CONTRACTOR shall ensure that all policies of insurance are endorsed to read that there shall be no cancellation, material change, potential exhaustion of aggregate limits or intent not to renew insurance coverage(s) without sixty (60) days prior written notice from the CONTRACTOR or its insurer to the Idaho Transportation Department. CONTRACTOR shall further ensure that all policies of insurance are endorsed to read that any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverage(s) provided to the State of Idaho, Transportation Department and its divisions, officers and employees.

ATTACHMENTS

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List of Prospective Bidders
Plan Sheets

Requisition # B497990S
Project: POWELL BUNKHOUSE SNOW COVERS

FAX BACK: 334-8824

To help us assist you better PLEASE fax back

To: Idaho Transportation Department
Business and Support Management Purchasing Unit
(3311 West State Street – 83703)
PO Box 7129
Boise, Idaho 83707-1129

BID CLOSING ON: 9/18/08 @ 5:00 P.M.

BID OPENS ON: 9/19/08 @ 10:30 A.M.

Please check all that apply

_____ Company intends to prepare and submit a bid to the requisition listed above.

_____ Company does not plan to respond.

Other Message / Comments: _____

Company Name: _____

Individual / Owner's Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Contact Person _____
(Please Print)

Phone # _____ Fax # _____

E-mail: _____

BID SCHEDULE

POWELL BUNKHOUSE SNOW COVERS

Requisition #B 497990S

BIDDER: _____

The bid item shall be filled in completely by the bidder in the bid schedule, by indicating total dollars and cents under the Total Amount Bid. All costs, including hourly rates will be included here and will be fully burdened to include; but not limited to, wages, transportation, lodging, overhead, and per-diem.

All of the items shown or noted on the plans or in these specifications, which are not specifically a bid item, are considered incidental items. The cost of furnishing and installing all incidental items will not be paid for separately, but shall be included in the contract unit prices as bid, unless otherwise noted.

All figures should be written in ink or typed. Penciled entries will not be accepted; bids will be considered irregular and rejected.

ITEM NO.	DESCRIPTION	UNIT	AMOUNT BID
1	FOUNDATION INSTALLATION AND ERECTION OF A STEEL FRAME SNOW COVER AT THE POWELL MAINTENANCE SITE – NORTH	EACH	
2	FOUNDATION INSTALLATION AND ERECTION OF A STEEL FRAME SNOW COVER AT THE POWELL MAINTENANCE SITE - SOUTH	EACH	

TOTAL AMOUNT BID

AWARD TO BE ALL "OR NONE"

THIS PAGE MUST BE SIGNED IN BLUE INK & RETURNED WITH YOUR BID

Signature _____ **Date** _____

IDAHO TRANSPORTATION DEPARTMENT
SIGNATURE PAGE

September 3, 2008

Idaho Transportation Department
Business and Support Management Purchasing Unit
3311 West State Street
Boise, Idaho 83703

REQUISITION #: B 494770S

TITLE: POWELL BUNKHOUSE SNOW COVERS

This ITB response is submitted in accordance with all documents and provisions of the specified Bid Number and Title detailed above. By my signature below I accept the terms and conditions as incorporated into this solicitation. As the undersigned, I certify I am authorized to sign and submit this response for the Bidder or Offeror.

PUBLIC WORKS CONTRACTORS LICENSE # _____

FEDERAL IDENTIFICATION # _____

Company Name: _____

State of Domicile: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

If not domiciled in the State of Idaho, please provide an address where business is conducted in the State of Idaho:

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Bidder Signature/Authorized Signature

Name (Please Print) _____

BY SIGNING, BIDDER ACKNOWLEDGES ITS RESPONSIBILITY FOR ANY ADDENDA THAT HAVE BEEN ISSUED FOR THIS SOLICITATION AND WILL COMPLY WITH ALL THE TERMS, CONDITIONS, AND SPECIFICATIONS OF THIS SOLICITATION.

THIS PAGE MUST BE SIGNED, WITH AN ORIGINAL SIGNATURE, AND RETURNED WITH YOUR BID DOCUMENTS!

CONTRACTOR'S AFFIDAVIT
CONCERNING ALCOHOL AND DRUG-FREE WORKPLACE

STATE OF _____

COUNTY OF _____

The undersigned being duly sworn upon oath, deposes and says that

_____ complies with the provisions of Section 72-1717 Idaho

(Contractor Name)

Code (Drug Free Workplace program); that _____ provides a

(Contractor Name)

drug-free workplace program that complies with the provisions of Idaho Code, Title 72,
Chapter 17 and will maintain such program throughout the life of a state construction contract
and that _____ shall subcontract work only to subcontractors meeting

(Contractor Name)

the requirements of Idaho Code, Section 72-1717(1) (a).

Name of Contractor

Address

By: _____
(Signature)

Subscribed and sworn to before me this _____ day of _____, 2008

NOTARY PUBLIC for _____

Residing at _____

My commission expires on: _____

THIS PAGE MUST BE RETURNED WITH YOUR BID DOCUMENTS

BIDDERS RESPONSIBILITY PAGE

PLEASE NOTE: the following documents, IF APPLICABLE TO YOUR BID, must be returned to the Idaho Transportation Department Purchasing Section to allow your bid to be considered.

In order for your bid to be considered, the following must be included with your bid.

- 1) Affidavit of Alcohol and Drug Free Workplace Program
- 2) **“Signature Page”**
 - Public Works License Number must be inserted
 - Page signed with an original signature in blue ink
- 3) **Bid Schedule** must be completed and signed with an original signature in blue ink
- 4) A 5% Bidders Bond or 5% Cashier's Check.
- 5) **All Addenda** Must be Signed (in blue ink) and returned with your Bid Documents. It is the Bidder's responsibility to verify if an addendum was issued.
- 6) **ALL BIDS** must be submitted in a sealed enveloped with the Requisition Number, Bid Open Date, and Project Name clearly marked on the outside of the envelope.
- 7) **NO BID ADJUSTMENTS WILL BE ACCEPTED:** Any changes made to a bid must be submitted as a separate bid and all rules remain in effect. ALL REQUIRED paperwork must be re-submitted.

PROSPECTIVE BIDDERS

Marvel Construction
1613 Richardson Ave.
Lewiston, Idaho 83501
Ph. 208-743-2553

CMEC, Inc.
Attn: Bill Welch
2697 North Distant Star Road
Post Falls, Idaho 83854
Ph. 208-773-5226, Ext. 202

Holcomb Construction
109 N. College
Grangeville, Idaho 83530
Ph. 208-983-1942

Reiber Construction Co.
5340 Momont Road
Missoula, Montana 59808
Ph. 406-728-6338

Arnzen Building Construction, Inc.
310 Junction
Cottonwood, Idaho 83522
Ph. 208-962-3903

FOUNDATION CALCULATIONS

34'x80' Metal Building

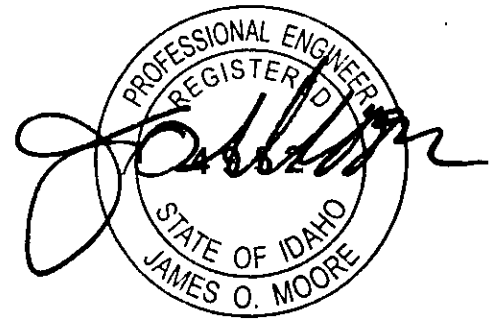
MVE #80486

STATE OF IDAHO SNOW COVERS

Powell, Idaho

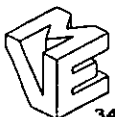
Metal Building Supplied By:

R&M STEEL COMPANY
20595 Farmway Road
Caldwell, ID 83607



JUL 11 2008

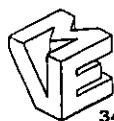
Foundation Design by:



**MOUNTAIN VIEW
ENGINEERING, INC.**

345 North Main Brigham City Utah 84302
Phone (435) 734-9700 Fax (435) 734-9519

NOTE: THESE FOUNDATION PLANS ARE TO BE USED FOR ONLY (2) IDENTICAL BUILDINGS ON THE SAME JOB SITE. THE PROFESSIONAL ENGINEER'S CERTIFICATION AND SEAL ARE INVALID FOR ANY BUILDINGS IN ADDITION TO THE (2) IDENTICAL BUILDINGS FOR WHICH THESE PLANS WERE INTENDED UNLESS CONSENT IS PROVIDED BY THE PROFESSIONAL ENGINEER IN WRITING.



MOUNTAIN VIEW ENGINEERING, INC.

345 North Main Brigham City Utah 84302
Phone (435) 734-9700 Fax (435) 734-9519

Job: MVE #80486 R&M STEEL COMPANY
Subject: STATE OF IDAHO SNOW COVERS

Page: 1
Date: 07/09/08
By: JVL

Building Descr: 34'x80' Metal Building

Location: Powell, Idaho

DESIGN CRITERIA :

Ground Snow Load	<u>140</u>	psf
Roof Snow Load	<u>117.6</u>	psf
Roof Live Load	<u>20</u>	psf
Roof Collateral Load	<u>1</u>	psf

Code: 2006 IBC

S _{DS}	<u>0.233</u>
Seismic Design Category	<u>B</u>
Site Class	<u>D</u>

Wind Speed	<u>90</u>	mph
Exposure	<u>B</u>	
Importance Factor	<u>1</u>	

Other Loads:

Soil Bearing	<u>1500</u>	psf (assumed)
Frost Depth	<u>42</u>	inches

Notes:

Reactions per R&M Steel drawings.

Concrete and Reinforcement:

Concrete Strength
3000 P.S.I. for Foundations
3500 P.S.I. for Slabs
2500 P.S.I. Used for design, no special inspection required.

Rebar - ASTM A615 grade 60



MOUNTAIN VIEW ENGINEERING, INC.

345 North Main Brigham City Utah 84302
Phone (435) 734-9700 Fax (435) 734-9519

Job: MVE #80486 R&M STEEL COMPANY
Subject: STATE OF IDAHO SNOW COVERS

Page: 2
Date: 07/09/08
By: JVL

Description: **34'x80' Metal Building**

Location: **Powell, Idaho**

Sidewall Footings (Lines 2 - 5 / Grids A & B)

$P_{D+L} = 33.7$ kips

$F_H = 11.8$ kips

Uplift = 3.0 kips

Check Soil Bearing

Allowable Pressure = 1500 psf

B req'd = **4.74** ft

Use 6.5 ft² x 16 inch deep footing
reinforced with (7) #5 bars each way.

$q = 798$ psf

Moment Arm = 4.8333 ft

Overturning Moment = 57.033 kip*ft

P (total) = 55.88 kips

Eccentricity = 12.2 inches

Footing Offset = 11 inches

Resisting Moment = 51.226 kip*ft

Eccentricity with Offset = 1.2 inches

B/6 = 13 inches **OK**

Recheck Bearing Pressure, q (max.) = **1450 psf**

Offset footing 11 inches.

Sliding Resistance

*Note: Use a rectangle of equivalent width and area to a 24" diameter pier.

Coefficient of Friction = 0.25

Pier Width = 2 ft

Pier Depth = 1.5708 ft

Pier Height = 3.5 ft

Weight of Pier = 2.00 kip

Weight of Soil Above Footing = 11.73 kip

Weight of Footing = 8.45 kip

Pier Height Above Grade = 0.5 ft

Passive Pressure = 150 psf/ft

Pier Passive Resistance = 0.60 kips

Footing Passive Resistance = 4.77 kips

Sliding Resistance from Footing & Pier = 2.61 kip

Sliding Resistance from Soil above Ftg. = 2.93 kip

Sliding Resistance from Vertical Load = 8.43 kip

Total Sliding Resistance = 19.34 kip

Factor of Safety = **1.64 > 1.0 OK**

Uplift

Weight of Footing and Pier = 10.45 kips

Weight of Soil Above Footing = 11.73 kips

Total = 22.18 kips

Design Uplift = 2.1 kips

Factor of Safety = **10.56 > 1.5 OK**

For Pier Design

$N_u = 57$ kips

$M_u = 70$ kip*ft

$V_u = 20$ kips

****See pier calculation on page 3.**

```

*****
*          CAST-UTILITY BY CAST INC.          *
*          TIME: 7/9/8 16:47:55                *
*          PAGE: 3                             *
*****

```

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*****
* RESULTS OF THE ACI DESIGN *
*****

```

* SUMMARY OF THE INPUT:

* UNITS:

```

Spacing is in inch
fc' & fy          : lb/in/in
b, h, dp', step, l : in
wc                : lb/ft/ft/ft
Nu, Vu           : kip
Mu_B, Mu_T, Tu    : kip-ft

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fc' = 2500.00 ; fy = 60000.0 ; Wc = 145.0 ;
b(Dia)= 15.00 ; h = 15.00 ; bw = 15.00 ;
Nu = 57.0 ; Mu_B = 70.0 ;
Vu = 20.0 ; Tu = 0.0 ; d' = 2.25 ;
Main bars sized from #5 to #5 ; 2ndary bars sized from #4 to #4

```

* SUMMARY OF THE DESIGN RESULTS:

** COLUMN DESIGN:

Tied Rectangular Column Design

8 - #5 bars : 3 bars in 'b' direction; 3 bars in 'h' direction

```

Top of the column : Y = 15.00
  Layer 1         : Y = 12.75 3 bars
  Layer 2         : Y = 7.50  2 bars
  Layer 3         : Y = 2.25  3 bars
Bot. of the column: Y = 0

```

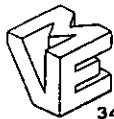
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| *** |
| *  * |
| *** |
|-----|

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*** DESIGN OF TIES AND SPIRALS:
Use #4 ties every 10.00

USE #4 TIES @ 8" O.C.



MOUNTAIN VIEW ENGINEERING, INC.

345 North Main Brigham City Utah 84302
Phone (435) 734-9700 Fax (435) 734-9519

Job: MVE #80486 R&M STEEL COMPANY
Subject: STATE OF IDAHO SNOW COVERS

Page: 4
Date: 07/09/08
By: JVL

Description: **34'x80' Metal Building**
Location: **Powell, Idaho**

Sidewall Footings (Lines 1 & 6 / Grids A & B)

$P_{D+L} = 18.3$ kips
 $F_H = 6.3$ kips
Uplift = 0.7 kips

Check Soil Bearing

Allowable Pressure = 1500 psf
B req'd = 3.49 ft

Use $5.5 \text{ ft}^2 \times 14$ inch deep footing
reinforced with (6) #5 bars each way.

$q = 605$ psf

Moment Arm =	4.6667 ft	P (total) =	32.37 kips
Overturning Moment =	29.4 kip*ft	Eccentricity =	10.9 inches
Footing Offset =	7 inches	Eccentricity with Offset =	3.9 inches
Resisting Moment =	18.883 kip*ft	B/6 =	11 inches OK

Recheck Bearing Pressure, q (max.) = **1449 psf**

Offset footing 7 inches.

Sliding Resistance

*Note: Use a rectangle of equivalent width and area to a 24" diameter pier.

Coefficient of Friction =	0.25		
Pier Width =	2 ft		
Pier Depth =	1.5708 ft	Pier Height Above Grade =	1 ft
Pier Height =	3.5 ft		
Weight of Pier =	2.00 kip	Passive Pressure =	150 psf/ft
Weight of Soil Above Footing =	6.78 kip	Pier Passive Resistance =	0.34 kips
Weight of Footing =	5.29 kip	Footing Passive Resistance =	2.97 kips
Sliding Resistance from Footing & Pier =	1.82 kip	Total Sliding Resistance =	11.40 kip
Sliding Resistance from Soil above Ftg. =	1.69 kip		
Sliding Resistance from Vertical Load =	4.58 kip	Factor of Safety =	1.81 > 1.0 OK

Uplift

Weight of Footing and Pier =	7.29 kips	Design Uplift =	0.5 kips
Weight of Soil Above Footing =	6.78 kips		
Total =	14.07 kips	Factor of Safety =	28.72 > 1.5 OK

For Pier Design

$N_u = 31$ kips
 $M_u = 37$ kip*ft
 $V_u = 11$ kips

****USE SAME PIER CALCULATION AS PAGE 3**

FOUNDATION NOTES:

1. Design Information and Loads

- A. Foundation design in accordance with 2006 International Building Code using the reactions provided by the metal building manufacturer for the following design criteria:
- B. Ground Snow Load 140 P.S.F.
 Roof Snow Load 117.6 P.S.F.
 C. Wind Speed 90 M.P.H.
 Exposure B
 D. Sps 0.233
 E. SDC B
 F. Frost Depth 3'-6"

2. Soil

- A. An allowable soil bearing pressure of 1500 P.S.F. was used for design.
 B. The building pad area shall be stripped of all frozen soil, debris, vegetation, and topsoil. All fill soils and any remaining loose natural soils shall be excavated to expose suitable natural soils.
 C. Proof roll the entire building pad area to locate and remove all soft spots. Replace with compacted structural fill.
 D. Place all footings and slabs on undisturbed natural soil or on properly compacted structural fill. Contractor shall verify that soil under footings is suitable to support footings.

- E. Structural Fill: Structural fill should consist of well-graded sandy gravels with a maximum particle size of 3 inches and 5 to 15 percent fines (materials passing the No. 200 sieve). The liquid limit of fines should not exceed 35 and the plasticity index should be below 15. All fill soils should be free from topsoils, highly organic material, frozen soil, and other deleterious materials. Structural fill should be placed in maximum 8-inch thick loose lifts at a moisture content within 2 percent of optimum and compacted to at least 95 percent of modified proctor density (ASTM D1557) under the building and 90 percent under concrete flatwork.

3. Concrete and Reinforcement

- A. Concrete Strength
 i. 3000 P.S.I. for foundations
 ii. 3500 P.S.I. for slabs
 iii. 2500 P.S.I. Used for design
 B. Rebar - ASTM A615 grade 60
 C. Slabs and grade beams shall not have joints in a horizontal plane. All reinforcement shall be continuous through all construction joints.
 D. Sawn joints in slabs on grade shall be made as soon as possible without damage to the surface.

- E. Minimum clear concrete cover for reinforcement shall be as follows unless noted otherwise:

- i. Concrete placed directly against earth - 3 inches
 ii. Formed surfaces exposed to weather or earth:
 a. #5 bars or smaller - 1 1/2 inches
 b. #6 bars or larger - 2 inches
 c. Slabs on grade as shown in details

- F. Minimum length of lapped splices shall be as follows unless noted. Stagger splices in walls so that no two adjacent bars are spliced in the same location, unless shown otherwise. Make all bars continuous around corners or provide corner bars of equal size and spacing.

Bar size	Splice Length
#3	16"
#4	22"
#5	27"
#6	35"

- G. Control joints are not required structurally, but may be used to control cracking at the owners/contractors option. Control joints shown are at suggested locations, actual joint locations are to be determined by the concrete contractor.

- H. Floor slab thickness and reinforcing shown in these drawings are adequate to support typical uniform loads only. Mountain View Engineering has not designed the slab for any large concentrated forces such as those from storage racks or heavy equipment.

- J. Welding of rebar is not allowed unless specifically indicated in the drawings. All rebar shall be tied; lack welding of rebar joints in grade beams, walls, or cages is not allowed. Where welding of rebar is shown in the drawings, all rebar to be welded shall be ASTM A706 Grade 60.

4. Anchor Rods

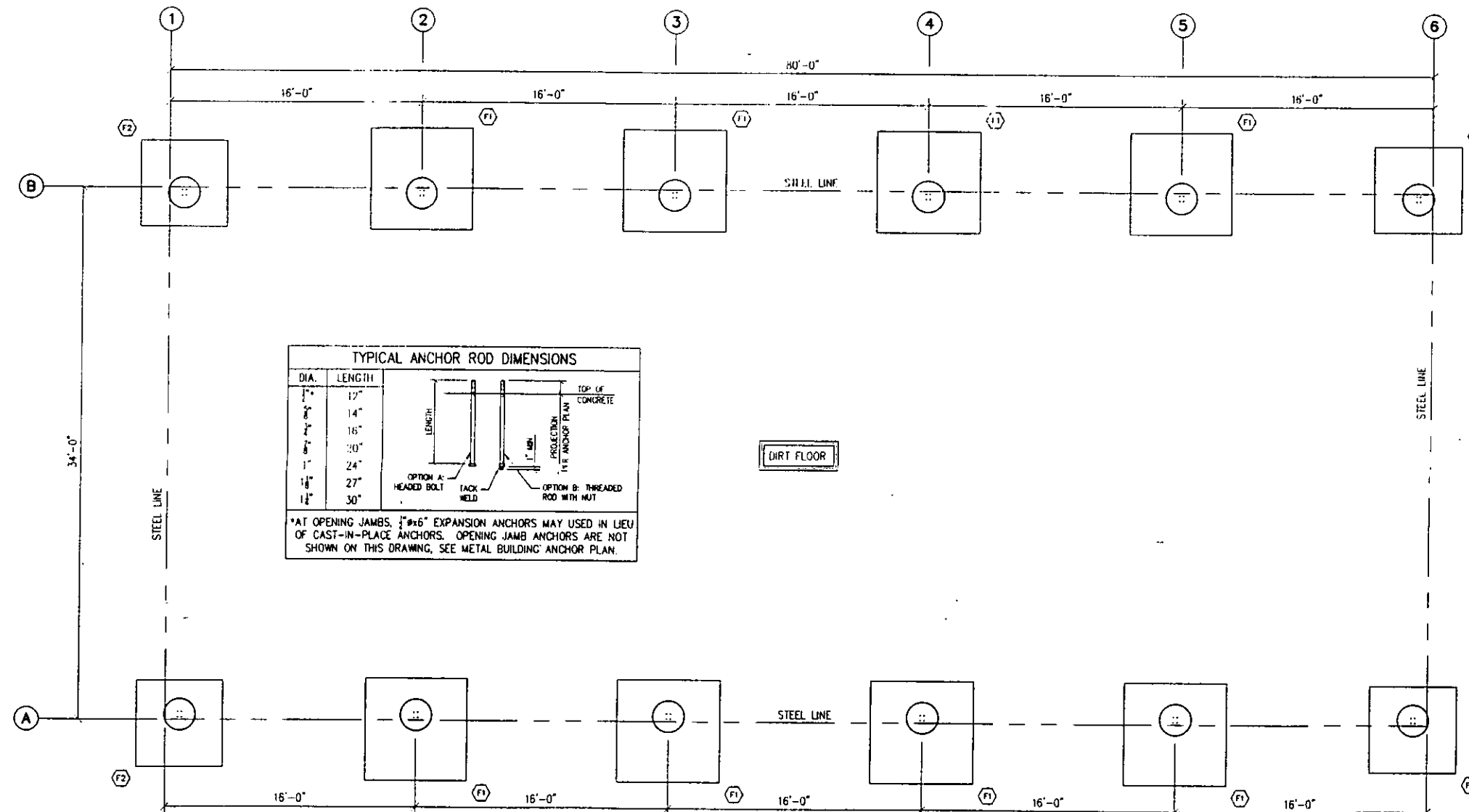
- A. Anchor rods shall be ASTM F1554-36 material (or equal).

5. Special Inspections

- A. Special inspections of concrete footings, grade beams, walls, and slabs are not required as per Exceptions 1, 2, 3, 4, & 5 to IBC Section 1704.4. Third party special inspection of reinforcing placement need only be performed where specifically required by the building official.
 B. All anchor rods/bolts have been designed in accordance with ACI 318 Appendix D as allowed by IBC Chapter 1912, therefore the special inspection of anchor rods/bolts as required by IBC 1911.5 does not apply.
 C. Special inspection of rebar welding is required (if any is used).

6. Miscellaneous

- A. The contractor shall notify engineer of any variations in dimensions.
 B. It is the responsibility of the contractor to ensure that the depth of the bottom of the foundation is far enough below the adjacent grade to ensure adequate frost protection.
 C. The engineer is not responsible for any deviations from these plans unless such changes are authorized in writing by the engineer.



DIA.	LENGTH
1/2"	12"
3/4"	14"
1"	16"
1 1/8"	20"
1 1/4"	24"
1 1/2"	27"
1 3/4"	30"

*AT OPENING JAMBS, 1/2" x 6" EXPANSION ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHORS. OPENING JAMB ANCHORS ARE NOT SHOWN ON THIS DRAWING. SEE METAL BUILDING ANCHOR PLAN.

(F1) INDICATES APPLICABLE FOOTING DETAIL

FOUNDATION PLAN
 SCALE: 1/4"=1'-0"

NOTE: COORDINATE THIS DRAWING WITH THE R & M STEEL ANCHOR BOLT PLAN.

NOTE: THESE FOUNDATION PLANS ARE TO BE USED FOR ONLY (2) IDENTICAL BUILDINGS ON THE SAME JOB SITE. THE PROFESSIONAL ENGINEER'S CERTIFICATION AND SEAL ARE INVALID FOR ANY BUILDINGS IN ADDITION TO THE (2) IDENTICAL BUILDINGS FOR WHICH THESE PLANS WERE INTENDED UNLESS CONSENT IS PROVIDED BY THE PROFESSIONAL ENGINEER IN WRITING.

SHOP DRAWING REVIEW
 IOWA TRANSPORTATION DEPARTMENT
 Review is for general compliance with contract documents. Site responsibility for correctness of dimensions, details, quantities and safety during installation and erection shall remain with the contractor.

☒ No exceptions taken
☐ Minor Corrections Needed
☐ Amend and Resubmit
☐ Rejected-See Remarks

Date: 7-13-08
 By: [Signature]

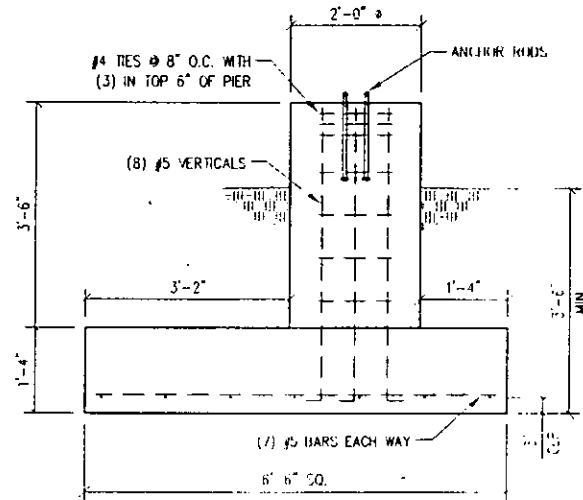
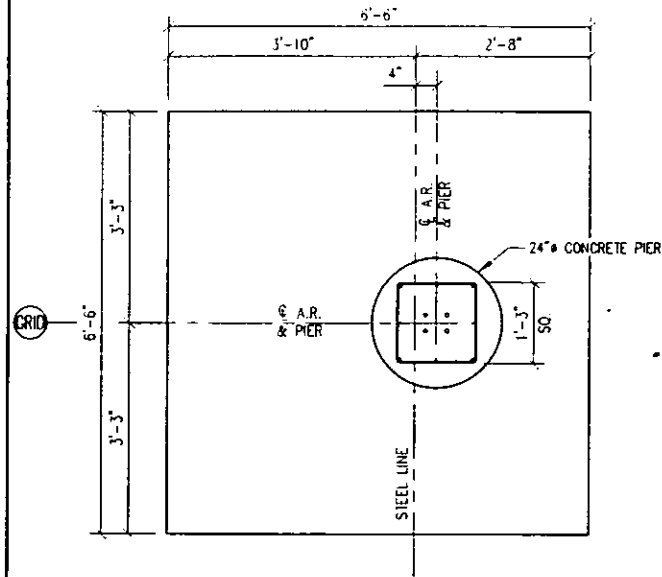
SHEET TITLE: FOUNDATION PLAN
 STATE OF IDAHO - SNOW COVERS
 AGE NAME: POWELL, IDAHO
 LOCATION: POWELL, IDAHO
 CONTRACTOR: *

PLAN ISSUE DATES
 BY: DESCRIPTION: FOR APPROVAL (FOR CONSTRUCTION IF APPROVED)
 DATE: 7-11-08 E.C.
 DATE: 7-11-08 E.C.

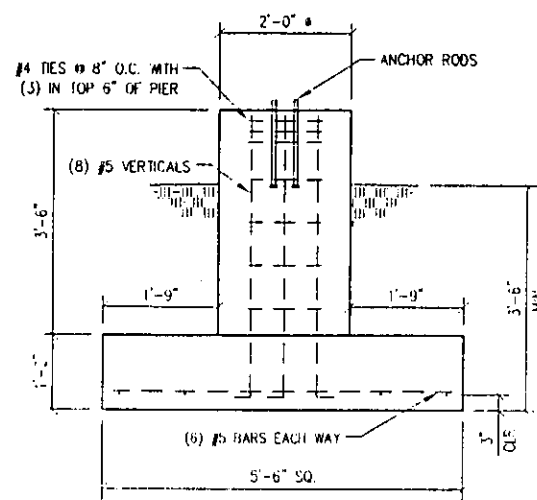
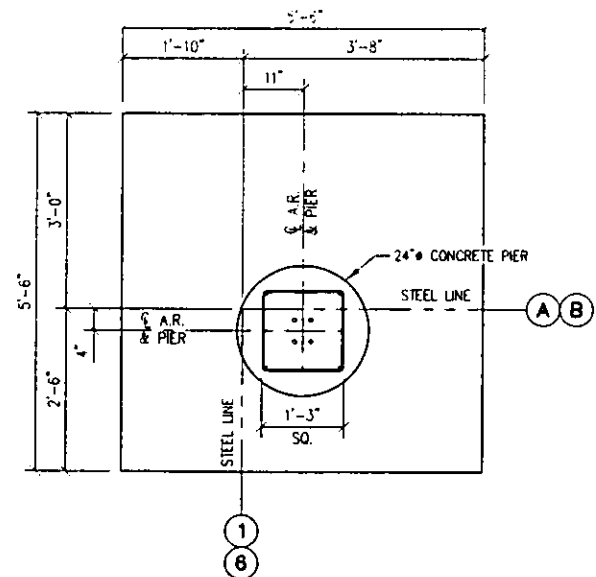
PROFESSIONAL ENGINEER
 JUL 11 2008
 JUL 11 2008
 JUL 11 2008

SHEET NUMBER:
F-1
 DRAWN BY: E.C.
 ENGINEER: J. LARSEN
 IWE JOB NUMBER: 80486

DESIGN
 CONSULTING
 STRUCTURAL ENGINEERING
 340 North Main Street Ste. A, Brigham City, Utah 84302 (435) 734-9700 Fax (435) 734-7544
MOUNTAIN VIEW ENGINEERING, INC.



F1 SIDEWALL FOOTING DETAIL
SCALE: 3/4"=1'-0"



F2 CORNER FOOTING DETAIL
SCALE: 3/4"=1'-0"

NOTE: THESE FOUNDATION PLANS ARE TO BE USED FOR ONLY (2) IDENTICAL BUILDINGS ON THE SAME JOB SITE. THE PROFESSIONAL ENGINEER'S CERTIFICATION AND SEAL ARE INVALID FOR ANY BUILDINGS IN ADDITION TO THE (2) IDENTICAL BUILDINGS FOR WHICH THESE PLANS WERE INTENDED UNLESS CONSENT IS PROVIDED BY THE PROFESSIONAL ENGINEER IN WRITING.

PLAN	ISSUE	DATE	BY	DESCRIPTION
1	DATE	7-11-08	E.C.	FOR APPROVAL (FOR CONSTRUCTION IF APPROVED)

PROFESSIONAL ENGINEER
JAMES D. MOORE
STATE OF IDAHO
JUL 11 2008

NOTE: These plans are void unless the engineer's signature is on them.

SHEET NUMBER:
F-2

DRAWN BY:	E.C.
ENGINEER:	J. LARSEN
DATE:	80486

CUSTOMER INFORMATION

CUSTOMER NAME: STATE OF IDAHO
ADDRESS: P.O. BOX 83720
BOISE, ID 83720

PROJECT NAME: SNOW COVERS
PROJECT LOCATION: POWELL, ID

GENERAL NOTES

1. MATERIALS

ASTM DESIGNATION

STRUCTURAL STEEL PLATE	A529 OR A572 OR A1011SS	GRADE 55
FLANGE MATERIAL	A529	GRADE 55
COLD FORMED LIGHT GAUGE SHAPES	A1011SS	GRADE 55
STRUCTURAL CABLES	A475	GRADE EHS
HOT ROLLED MILL SHAPE	A992	GRADE 50
HOLLOW STRUCTURAL SECTIONS	A500	GRADE B
PBR36 ROOF AND WALL PANELS	A653 OR A792	GRADE 80
STANDING SEAM ROOF	A653 OR A792	GRADE 50
BOLTS	A325	A325
BOLTS	A449	A449

2. DESIGN

- A. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBER ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATING AND ERECTION OF STRUCTURAL STEEL BUILDING". ALLOWABLE STRESS DESIGN LATEST EDITION.
- B. ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" LATEST EDITION.
- C. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE" LATEST EDITION.

3. A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTED CONNECTIONS ARE SUBJECT TO AXIAL TENSION AND OR SLIP CRITICAL. AS SUCH THE BOLTS MUST BE FULLY PRE-TENSIONED AND INSPECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS AND THE APPLICABLE BUILDING CODE. WASHERS ARE NOT REQUIRED WHEN THE "TURN OF THE NUT" TIGHTENING PROCEDURE IS USED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER BOLT TIGHTNESS.

4. BUILDER / CONTRACTOR RESPONSIBILITIES

R & M STEEL COMPANY STANDARD PRODUCT SPECIFICATIONS APPLY AND R & M STEEL COMPANY DESIGN, FABRICATION, QUALITY CONTROL STANDARDS AND TOLERANCE WILL GOVERN. IN CASE OF DISCREPANCIES BETWEEN R & M STEEL COMPANY'S PLANS AND PLANS FOR OTHER TRADES R & M STEEL PLANS SHALL GOVERN. (SECTION 3.3 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE OR FEDERAL AGENCIES AS REQUIRED.

APPROVAL OF R & M STEEL COMPANY'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF R & M STEEL COMPANY'S INTERPRETATION OF THE PURCHASE ORDER. (SECTION 4.2.1 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)

THE BUILDER / CONTRACTOR OR A/E FIRM IS RESPONSIBLE FOR THE OVERALL PROJECT. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIAL NOT FURNISHED BY R & M STEEL COMPANY ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. R & M STEEL COMPANY ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTORS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH R & M STEEL COMPANY'S BUILDING "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH AND INSTALL. (SECTION 7.9.1 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)

THE DESIGN OF THE ANCHOR BOLT EMBEDMENT LENGTH IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER. THE LENGTH PROVIDED BY R & M STEEL IS AN ESTIMATED LENGTH AND SHOULD BE ADJUSTED ACCORDING TO THE FOUNDATION DESIGN.

BUILDING LOADS / DESCRIPTION:

WIDTH:	<u>34</u>	LENGTH:	<u>80</u>	HEIGHT:	<u>15 / 15</u>
ROOF PITCH:	<u>6.0:12 / 6.0:12</u>				
THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY: <u>IBC 06</u>					
THE CONTRACTOR / BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.					
ROOF DEAD LOAD:	<u>1.840</u>	PSF (ROOF PANELS & PURLINS)			
COLLATERAL LOAD:	<u>1</u>	PSF			
ROOF LIVE LOAD:	<u>20.0</u>	PSF			
GROUND SNOW LOAD: (Pg)	<u>140.0</u>	PSF			
ROOF SNOW LOAD: (Pf)	<u>117.6</u>	PSF			
BASIC WIND SPEED:	<u>90</u>	MPH			
SEISMIC COEFFICIENT:	<u>0.354</u>				

$P_f = 0.7 C_e C$
 $C_e = 1$
 $C_t = 1.2$
 $I = 1$
 $P_g = 140.0 \text{ P}$
 $P_f = 117.6 \text{ P}$

Pf = 0.7 Ce Ct I Pg
Ce = 1
Ct = 1.2
I = 1
Pg = 140.0 PSF
Pf = 117.6 PSF

IMPORTANCE FACTORS:

WIND LOAD:	1.00
SNOW LOAD:	1.0
SEISMIC:	1.00

OTHER LOADS

ROOF PANELS:

COLOR: Brown

WALL PANELS:

COLOR:

TRIM COLORS:

GABLE: Brown

EAVE: Brown

CORNER:

DOOR & WINDOW:

GUTTER:

DOWNSPOUTS

SOFFIT PANEL:

GABLE EXT:

EAVE EXT:

CANOPY:

LINER PANEL:

LEFT:

RIGHT:

FRONT:

BACK:

ROOF:

SHOP DRAWING REVIEW

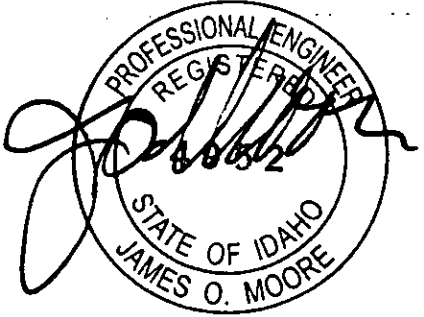
IDAHO TRANSPORTATION DEPARTMENT

Review is for general compliance with contract documents. Sole responsibility for correctness of dimensions, details, quantities and safety during installation and erection shall remain with the contractor.

No exceptions Taken
Make Corrections Noted
Amend and Re-submit
Rejected-See Remarks

Date: 7-15-08

David Brown



JUL 11 2008

R & M STEEL COMPANY	
P.O. Box 580 Caldwell, Idaho 83608 208-454-1800 Fax 208-454-1801	
SCALE:	JOB LOCATION
DATE: 7/3/08	POWELL, ID
STATE OF IDAHO	DRAWN BY: MWC
SNOW COVERS	DRAWING NUMBER: 1 OF 12

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:

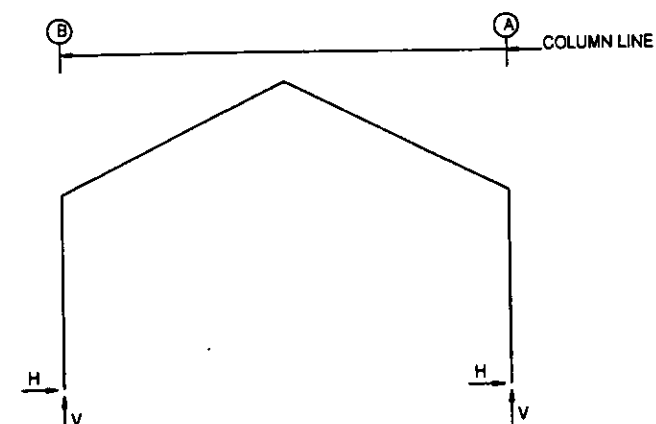
Width (ft)	=	34.0
Length (ft)	=	80.0
Eave Height (ft)	=	15.0/ 15.0
Roof Slope (rise/12)	=	6.0/ 6.0
Dead Load (psf)	=	1.8
Collateral Load (psf)	=	1.0
Live Load (psf)	=	20.0
Ground Snow Load (psf) (Pg)	=	140.0
Roof Snow Load (psf) (Pf)	=	117.6
Wind Speed (mph)	=	90.0
Wind Code	=	IBC 06
Exposure	=	B
Closed/Open	=	O
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa/Sa)	=	0.35

- Loading conditions are:

1	DL+CL+SL
2	0.60DL+WL2
3	0.60DL+WR2
4	0.60DL+LnWind1
5	0.60DL+LnWind1
6	0.60DL+LnWind2
7	0.60DL+LnWind2

$Pf = 0.7 Ce Ct I Pg$
 $Ce = 1$
 $Ct = 1.2$
 $I = 1$
 $Pg = 140.0 \text{ PSF}$
 $Pf = 117.6 \text{ PSF}$

FRAME LINES: 1 2 3 4 5 6



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions (k)				Anc. Bolt No	D(in)	Base Plate (in)			Grout (in)
		Load Id	Hmax H	V Vmax	Hmin H			Wid	Len	Thk	
1*	B	1	6.3	18.2	2	-1.2	0.0	6.000	8.882	0.500	0.0
		1	6.3	18.3	7	0.2	-0.7				
		1	-6.3	18.3	5	-0.2	-0.7				
1*	A	3	1.2	0.0	1	-6.3	18.2	6.000	8.882	0.500	0.0
		1									
		1									

1* Frame lines: 1 6

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES THE VERTICAL COMPONENT OF BRACING REACTION IS INCLUDED IN VERTICAL REACTIONS.

Frm Line	Col Line	Column Reactions (k)				Anc. Bolt No	D(in)	Base Plate (in)			Grout (in)
		Load Id	Hmax H	V Vmax	Hmin H			Wid	Len	Thk	
2*	B	1	11.8	33.5	2	-2.3	-0.3	6.000	8.882	0.500	0.0
		1	11.8	33.7	6	0.3	-3.0				
		1									
2*	A	3	2.3	-0.3	1	-11.8	33.5	6.000	8.882	0.500	0.0
		1	-11.8	33.7	4	-0.3	-3.0				
		1									

2* Frame lines: 2 3 4 5

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Snow		Wind_L1		Wind_R1	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1*	B	0.25	1.05	0.06	0.16	1.03	2.90	6.05	17.04	-1.13	-1.24	0.63	-0.48
	A	-0.25	1.05	-0.06	0.16	-1.03	2.88	-6.05	16.95	-0.83	-0.48	1.13	-1.24
1*	B	-1.34	-0.60	0.62	0.17	0.36	-1.25	0.07	-1.28	-0.31	-0.25	0.31	0.25
	A	-0.62	0.17	1.34	-0.60	-0.07	-1.28	-0.36	-1.25	-0.31	0.25	0.31	-0.25
1*	B	3.62	5.33	3.62	14.90								
	A	-3.62	14.90	-3.62	5.33								
2*	B	0.34	1.31	0.11	0.30	1.94	5.45	11.33	32.07	-2.14	-2.34	1.56	-0.90
	A	-0.34	1.32	-0.11	0.30	-1.94	5.43	-11.33	31.90	-1.56	-0.90	2.14	-2.34
2*	B	-2.52	-1.14	1.17	0.31	0.67	-3.71	0.14	-3.78	-0.54	-0.44	0.54	0.44
	A	-1.17	0.31	2.52	-1.14	-0.14	-3.78	-0.67	-3.71	-0.54	0.44	0.54	-0.44
2*	B	0.00	-1.59	6.81	10.06	6.81	28.00						
	A	0.00	-1.59	-6.81	28.00	-6.81	10.06						

1* Frame lines: 1 6
2* Frame lines: 2 3 4 5

ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Proj (in)
O 48	RF	3/4"	2.00

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Line	Col Line	Reactions (k)				Panel Shear (lb/ft)
			Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	
L EW	1						
F SW	A	3,4	1.6	1.4	1.9	1.6	
R EW	6						
B SW	B	4,3	1.6	1.4	1.9	1.6	

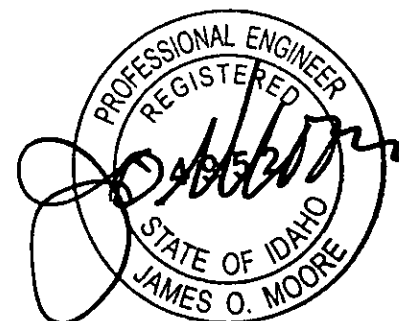
SHOP DRAWING REVIEW IDAHO TRANSPORTATION DEPARTMENT

Review is for general compliance with contract documents. Sole responsibility for correctness of dimensions, details, quantities and safety during installation and erection shall remain with the contractor.

- ☒ No exceptions Taken
☐ Make Corrections Noted
☐ Amend and Resubmit
☐ Rejected-See Remarks

Date 7-15-08

By David R. Brown



JUL 11 2008

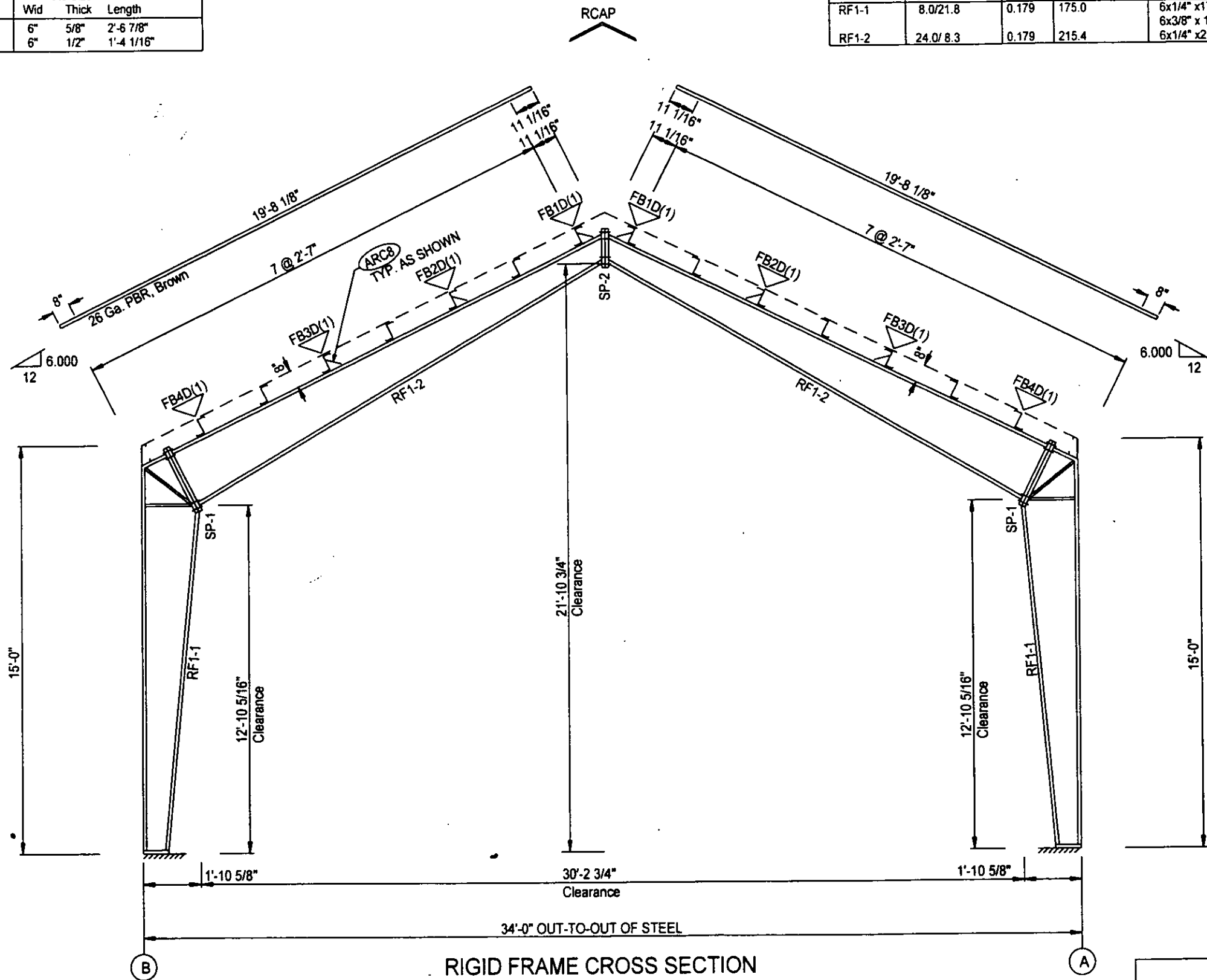


R & M STEEL COMPANY
 P.O. Box 580
 Caldwell, Idaho 83608
 208-454-1800 Fax 208-454-1801

SCALE	JOB LOCATION	REVISION
DATE 7/3/08	POWELL, ID	
STATE OF IDAHO		DRAWN BY MWC
SNOW COVERS		DRAWING NUMBER 2 of 12

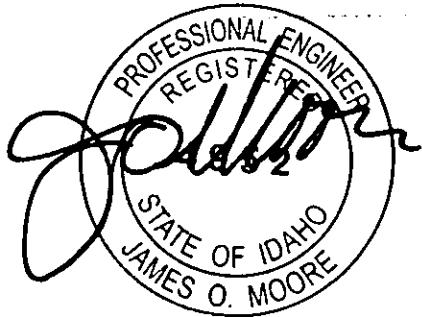
SPICE PLATES & BOLTS						
Splice Mark	Quan	Top/Bot/Int Type	Bolt Dia	Len	Plate Size	
					Wid	Thick
SP-1	4	4	0	A325 0.750	2'-6 7/8"	
SP-2	4	4	0	A325 0.750	2'-0 0	

MEMBER SIZE TABLE (in)					
PIECE	WEB DEPTH START/END	WEB PLATE		OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
		THICK	LENGTH		
RF1-1	8.0/21.8	0.179	175.0	6x1/4" x170.1	6x5/8" x151.0
RF1-2	24.0/ 8.3	0.179	215.4	6x3/8" x 10.7	6x1/4" x215.4




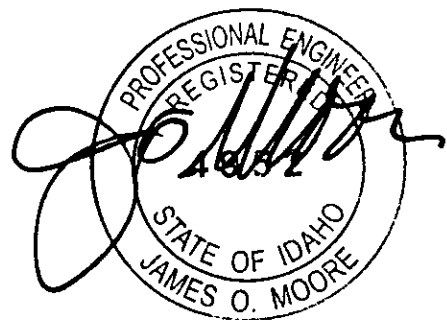
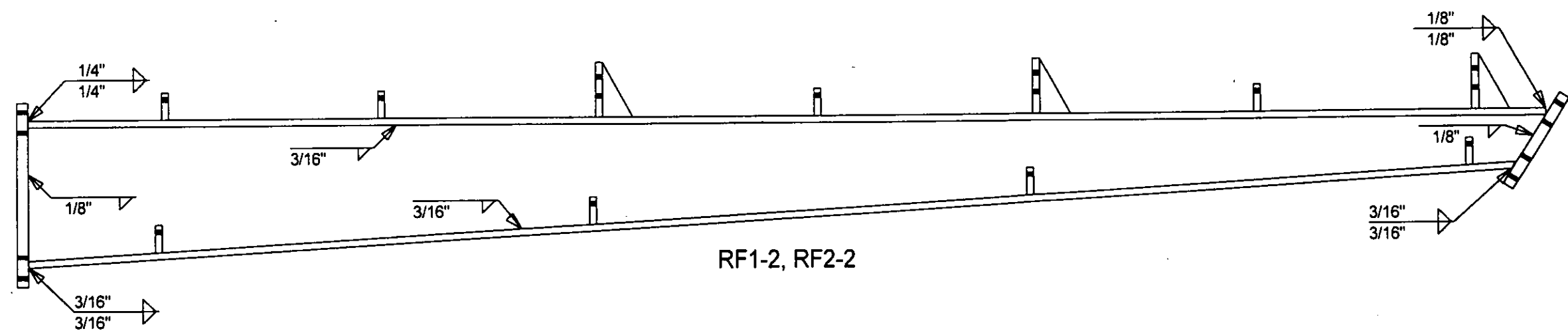
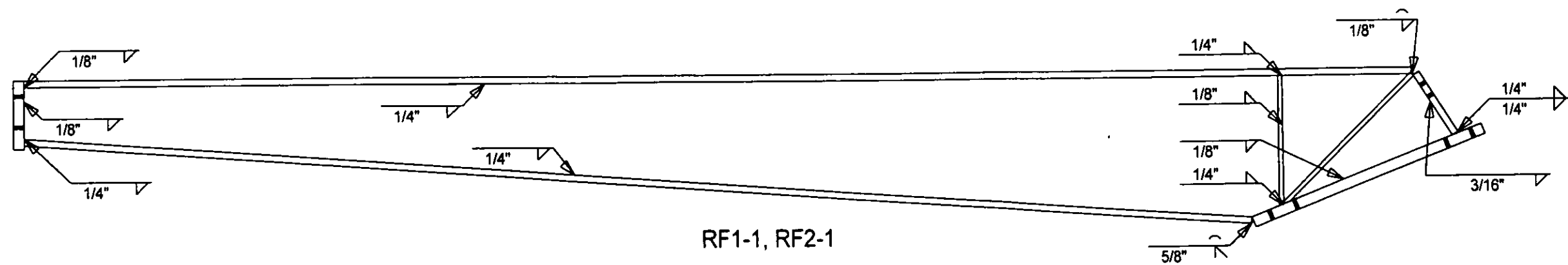
RIGID FRAME CROSS SECTION

FOR FRAME LINE 1 6




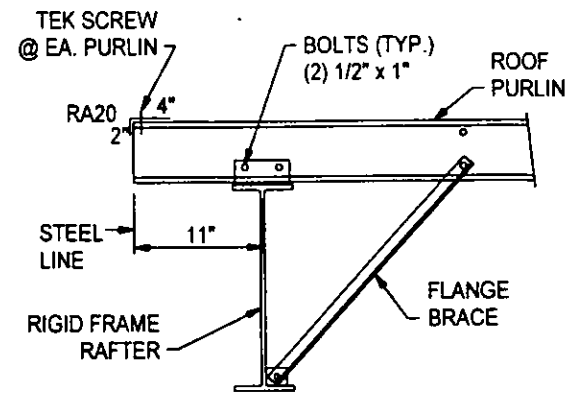
JUL 11 2008

 R & M STEEL COMPANY P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		REVISION
		DRAWN BY
SCALE	JOB LOCATION	
DATE: 7/3/08	POWELL, ID	
STATE OF IDAHO		MWC
SNOW COVERS		DRAWING NUMBER
		4 of 12

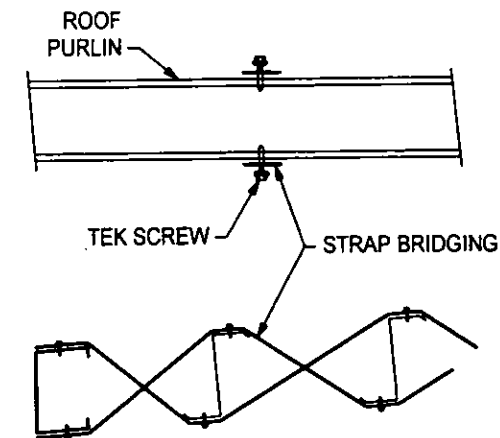


JUL 11 2008

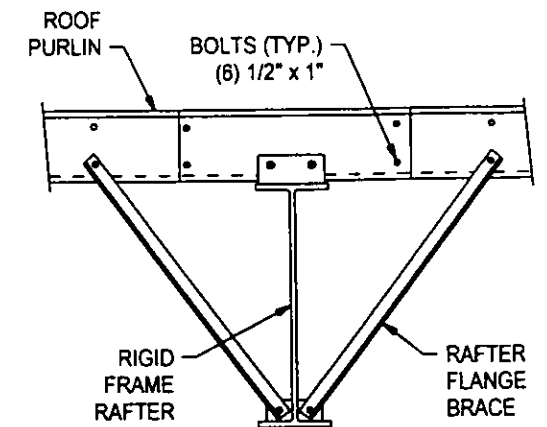
		R & M STEEL COMPANY P.O. Box 580 Caldwell, Idaho 83408 208-454-1900 Fax 208-454-1801	
SCALE:	JOB LOCATION	REVISION	
DATE 7/3/08	POWELL, ID		
STATE OF IDAHO		DRAWN BY MWC	
SNOW COVERS		DRAWING NUMBER 6 of 12	



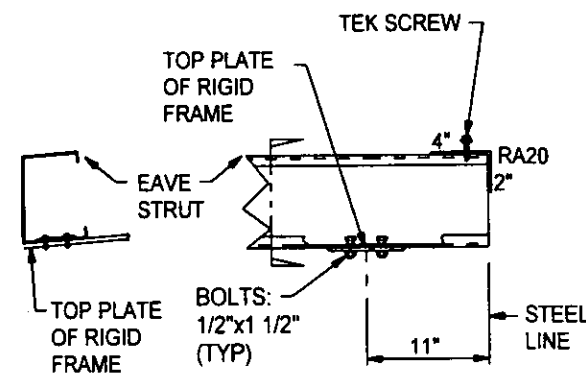
A9 ROOF PURLIN TO EXPANDABLE
ENDWALL RIGID FRAME



B1 STRAP BRIDGING

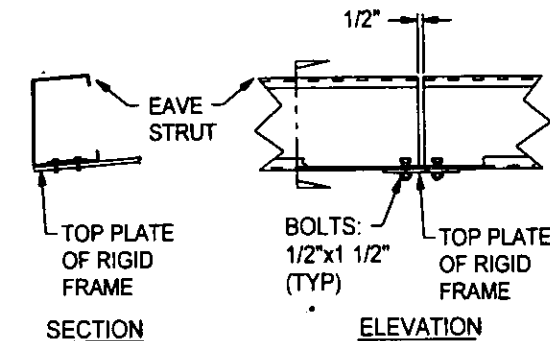


G1 ROOF PURLIN TO
INTERIOR FRAME RAFTER



SECTION ELEVATION

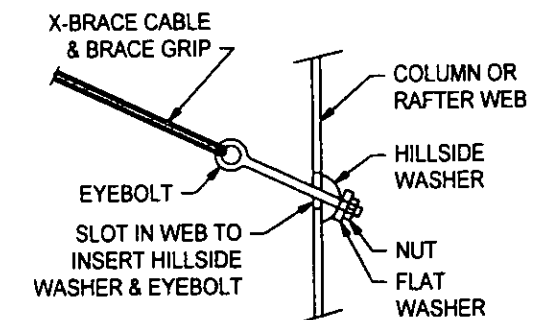
I9 EAVE STRUT TO
RIGID FRAME COLUMN



SECTION ELEVATION

J2 EAVE STRUT TO RIGID FRAME
@ INTERIOR BAYS

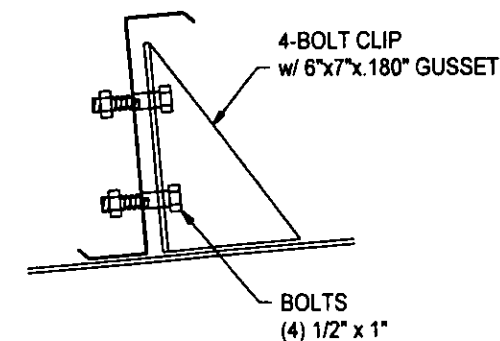
5/8" E.H.S. CABLE WITH 1 1/4" EYEBOLT
1/2" E.H.S. CABLE WITH 7/8" EYEBOLT
3/8" E.H.S. CABLE WITH 3/4" EYEBOLT
5/16" E.H.S. CABLE WITH 5/8" EYEBOLT



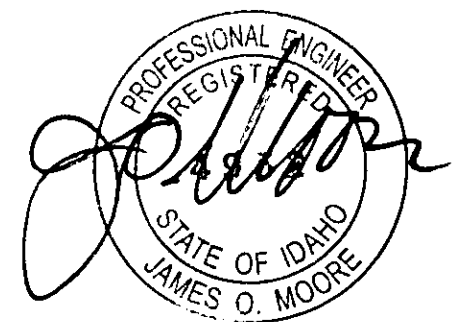
Q2 DIAGONAL CABLE, EYEBOLT END

1. FIELD CUT X-BRACE THRU GIRTS (AS REQ'D).
2. FIELD CUT X-BRACE TO LENGTH (AS REQ'D).
3. FIELD FIT AND DRILL GIRTS AT CORNER COLUMN (AS REQ'D).
4. FIELD LOCATE WALK DOORS, WINDOWS, AND LOUVERS (AS REQ'D).
5. FIELD CUT AND WELD WINDSTRUT (AS REQ'D).
6. FIELD CUT 3'-4" ELEV. GIRT AND TEK TO 8 1/4" WALK DOOR JAMB.
7. FIELD FIT FLANGE BRACES AS REQ'D.

Y1 FIELD NOTES



ARC8 ANTI-ROLL CLIP DETAIL



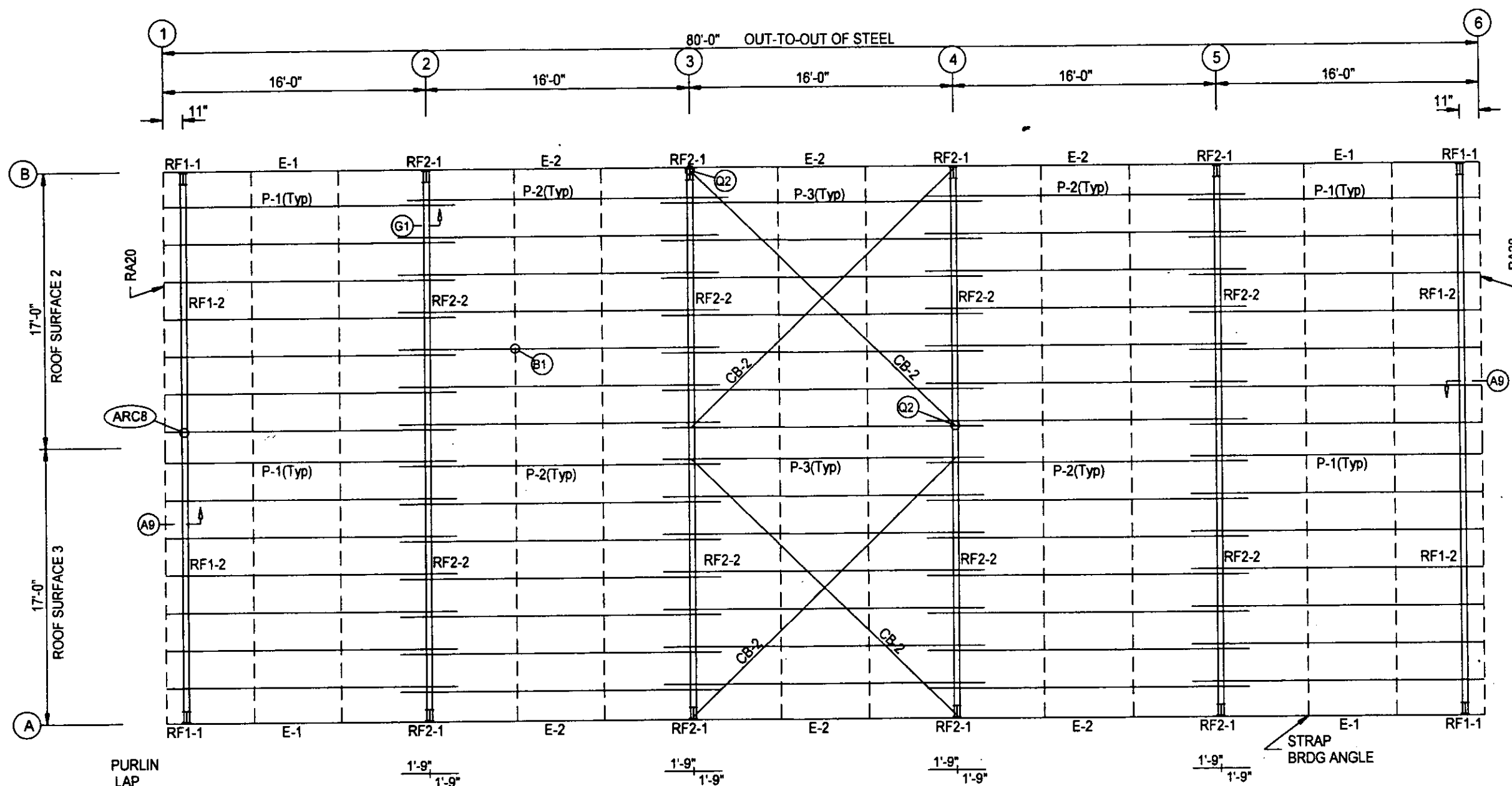
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R & M STEEL COMPANY
P.O. Box 580
Caldwell, Idaho 83605
208-454-1800 Fax 208-454-1801

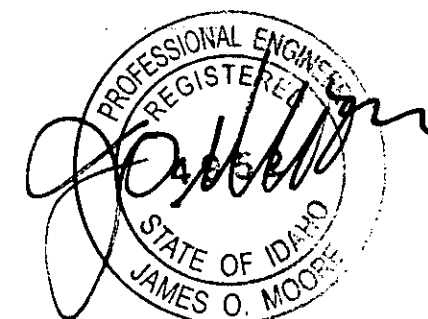
SCALE:	JOB LOCATION:	REVISION:
DATE: 7/3/08	POWELL, ID	
STATE OF IDAHO		DRAWN BY: MWC
SNOW COVERS		DRAWING NUMBER: 7 OF 12

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8x25Z15	17'-9"
P-2	8x25Z15	19'-6"
P-3	8x25Z16	19'-6"
E-1	815x5E64	15'-11 3/4"
E-2	815x5E64	15'-11 1/2"
CB-2	5/16EHS	24'-0"

INSTALL ROOF FLANGE BRACE
AS PER RIGID FRAME CROSS
SECTION



ROOF FRAMING PLAN



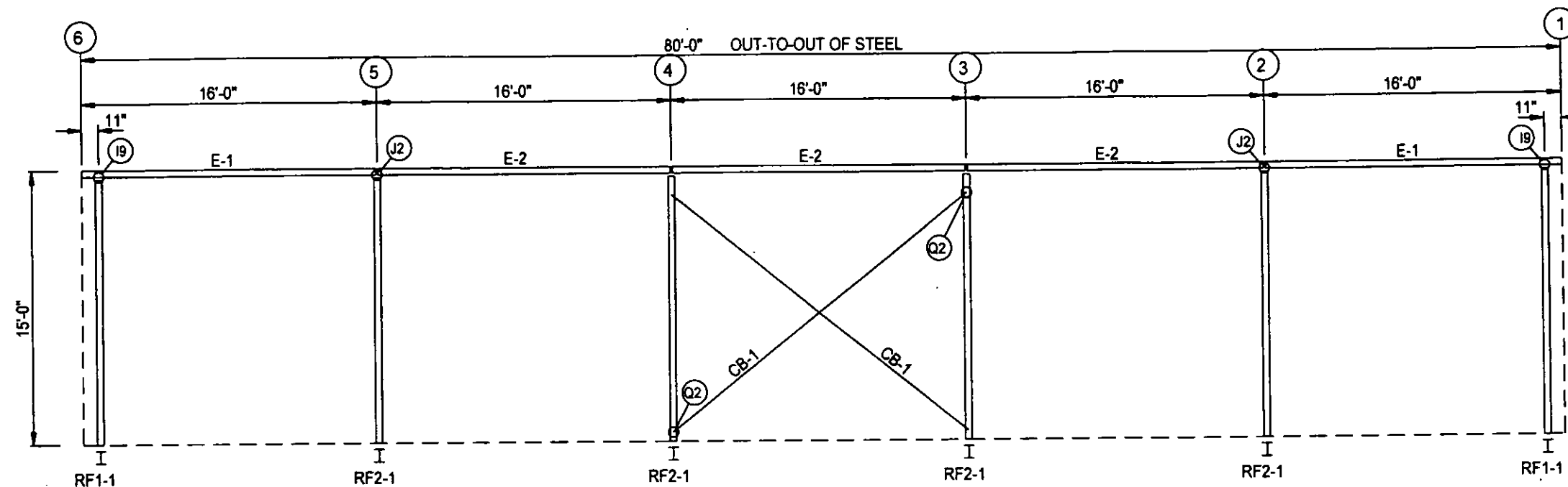
JUL 11 2008

ROOF SHEETING

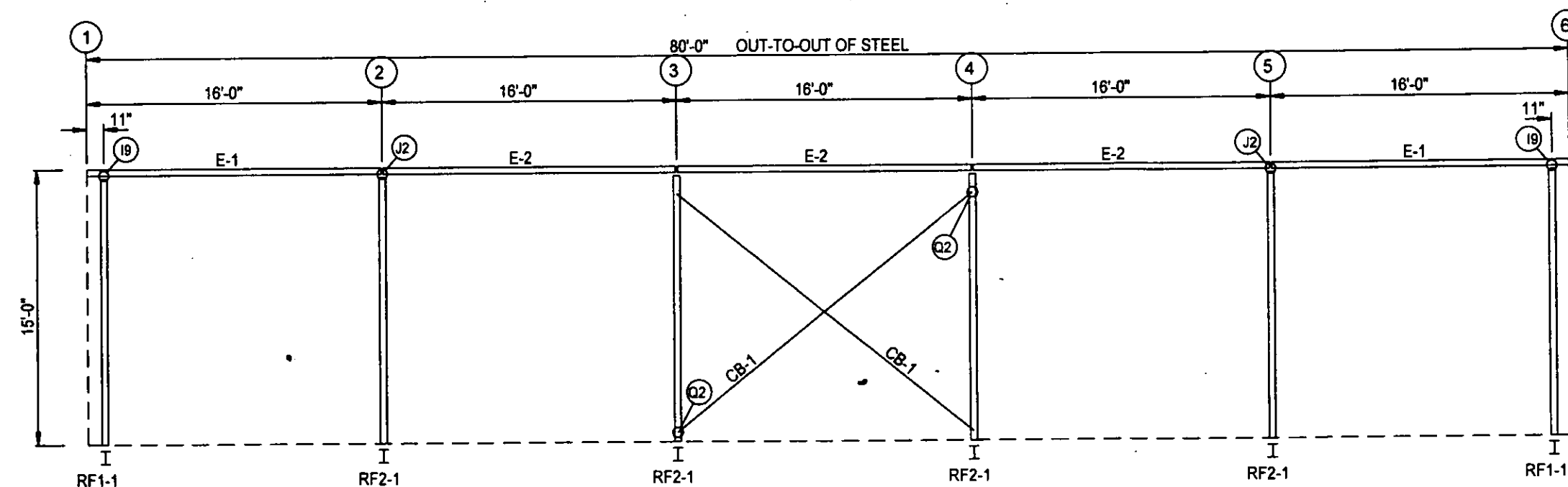
PANELS: 26 Ga. PBR - Brown

R & M STEEL COMPANY P.O. Box 580 Caldwell, Idaho 83608 208-454-1800 Fax 208-454-1801		
SCALE: DATE: 7/3/08	JOB LOCATION: POWELL, ID	REVISION:
STATE OF IDAHO		DRAWN BY: MWC
SNOW COVERS		DRAWING NUMBER: 8 of 12

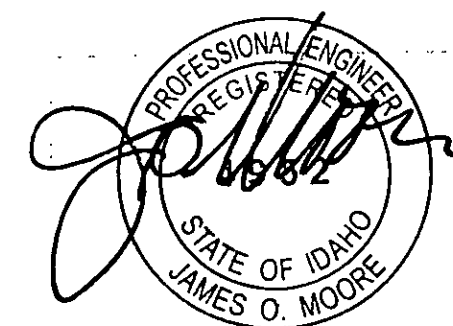
MEMBER TABLE GRID A & B		
MARK	PART	LENGTH
E-1	815x5E64	15'-11 3/4"
E-2	815x5E64	15'-11 1/2"
CB-1	5/16EHS	21'-0"




SIDEWALL FRAMING: GRID B

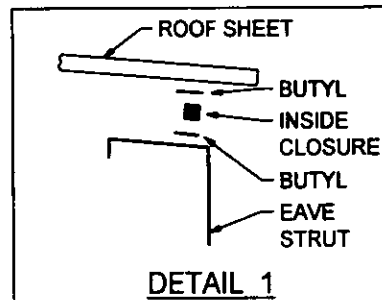
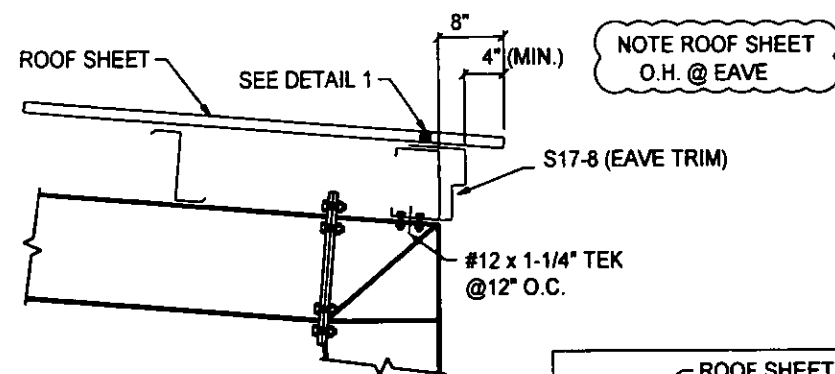


SIDEWALL FRAMING: GRID A

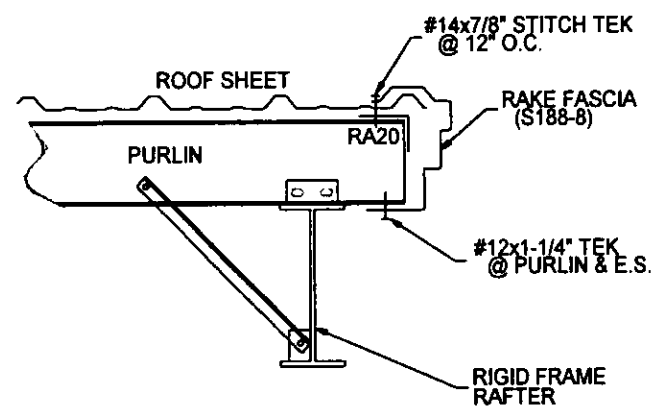


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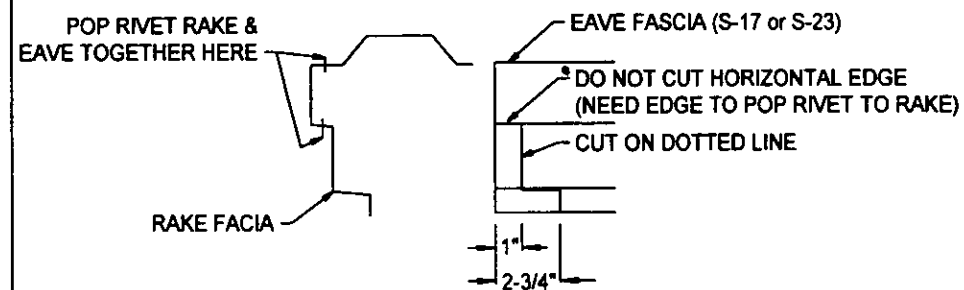
 R & M STEEL COMPANY P.O. Box 500 Caldwell, Idaho 83406 208-454-1800 Fax 208-454-1801		REVISION
		SCALE: _____ DATE: 7/3/08
JOB LOCATION POWELL, ID		DRAWN BY MWC
STATE OF IDAHO		DRAWING NUMBER 9 of 12
SNOW COVERS		



S17-8 EAVE TRIM DETAIL

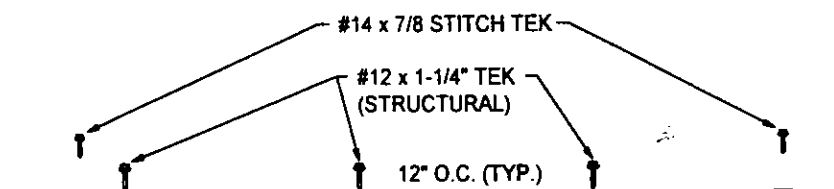


RAKE TRIM DETAIL

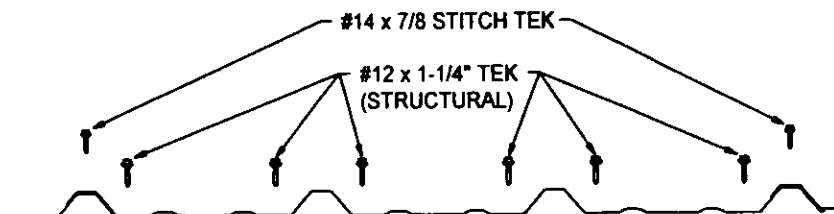


MITER DETAIL: EAVE-TO-RAKE

TYPICAL TEK SPACING FOR HIGH RIB PANELS

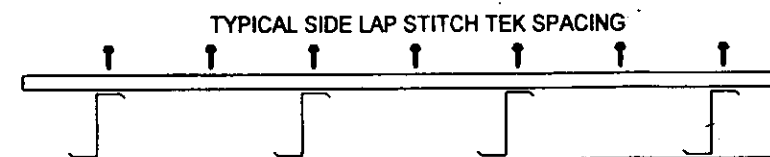


I. TYPICAL SPACING AT INTERMEDIATE PURLINS.



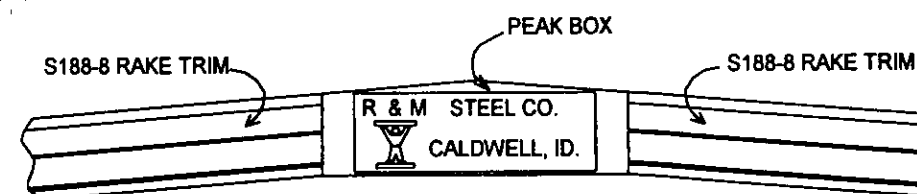
II. TYPICAL SPACING AT PANEL ENDS

- 1) TYPICAL SPACING AT EAVE STRUT.
- 2) TYPICAL SPACING AT RIDGE CAP.
- 3) TYPICAL SPACING AT PANEL LAP.



III. TYPICAL STITCH TEK SPACING (SIDE LAP ONLY)

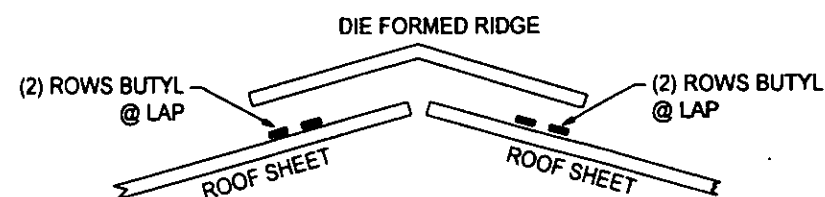
- 1) TYPICAL SPACING AT PURLIN.
- 2) TYPICAL SPACING MIDSPAN BETWEEN PURLIN.



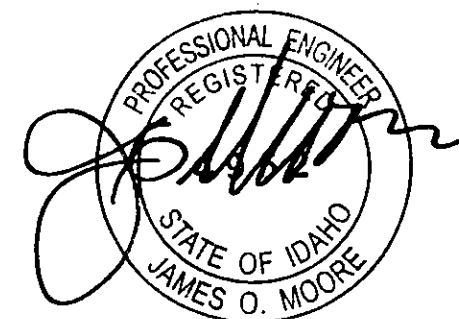
NOTE:

PEAK BOX DETAIL


- 1) MITER S-188-8 RAKE TRIM @ PEAK & SEAL.
- 2) INSTALL PEAKBOX & SEAL.
- 3) MITER S-188-8 AND S-17-8 @ CORNERS & SEAL.



DETAIL @ DIE FORMED RIDGE CAP



JUL 11 2008

 R & M STEEL COMPANY P.O. Box 580 Caldwell, Idaho 83608 208-454-1800 Fax 208-454-1801		REVISION DATE: 7/3/08
SCALE:		JOB LOCATION: POWELL, ID
STATE OF IDAHO		DRAWN BY: MWC
SNOW COVERS		DRAWING NUMBER: 10 of 12

TRIM TABLE		
FRAME LINE		A & B
OID	MARK	LENGTH
	S17-8	27'-6"

6

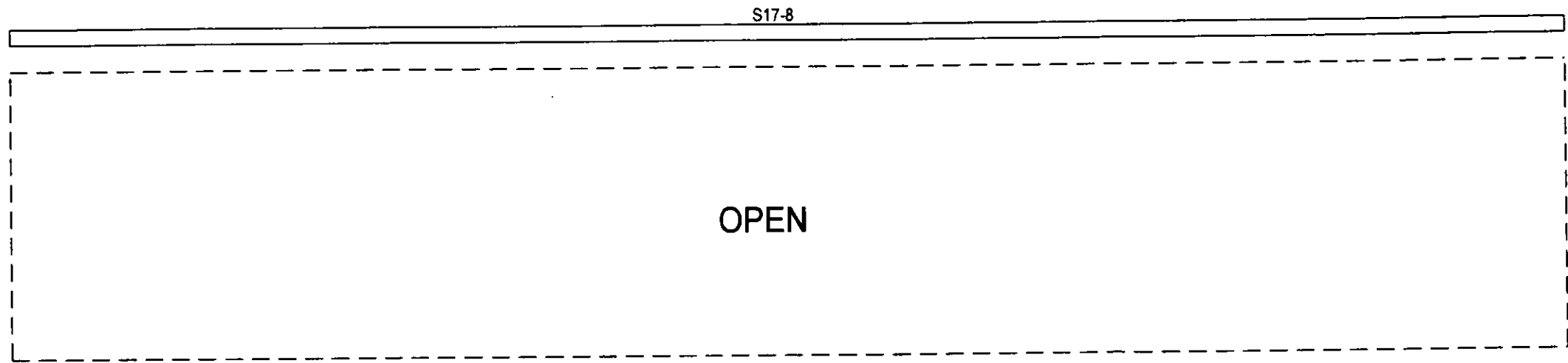
5

4

3

2

1



SIDEWALL TRIM GRID B

1

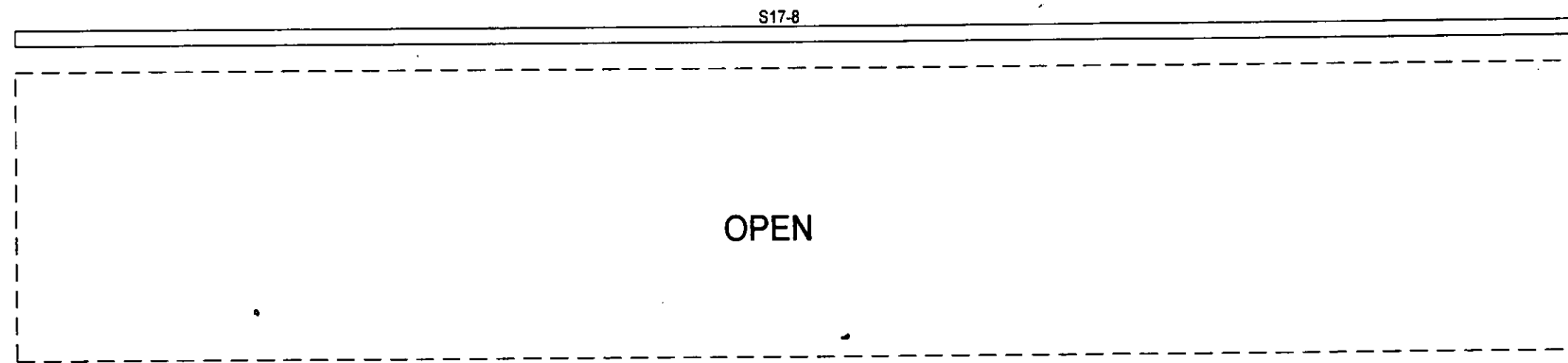
2

3

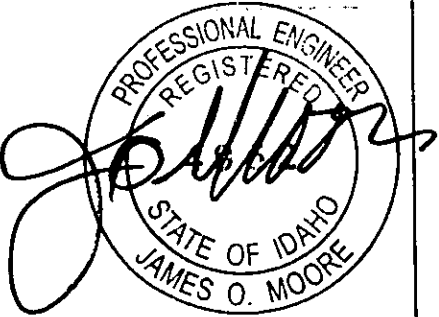
4

5


6



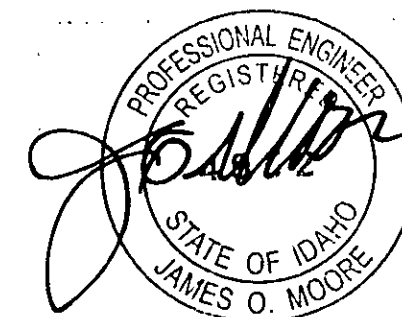
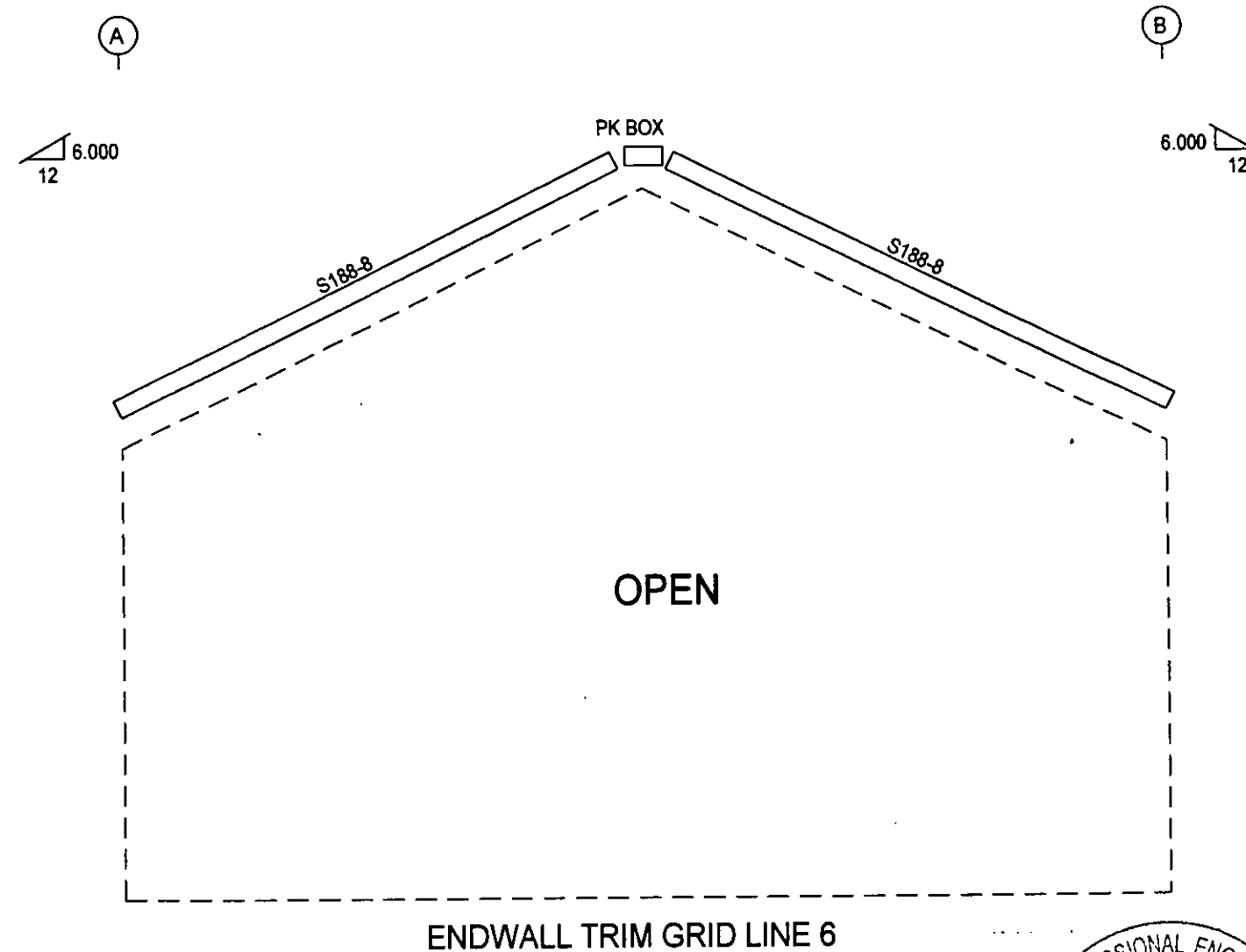
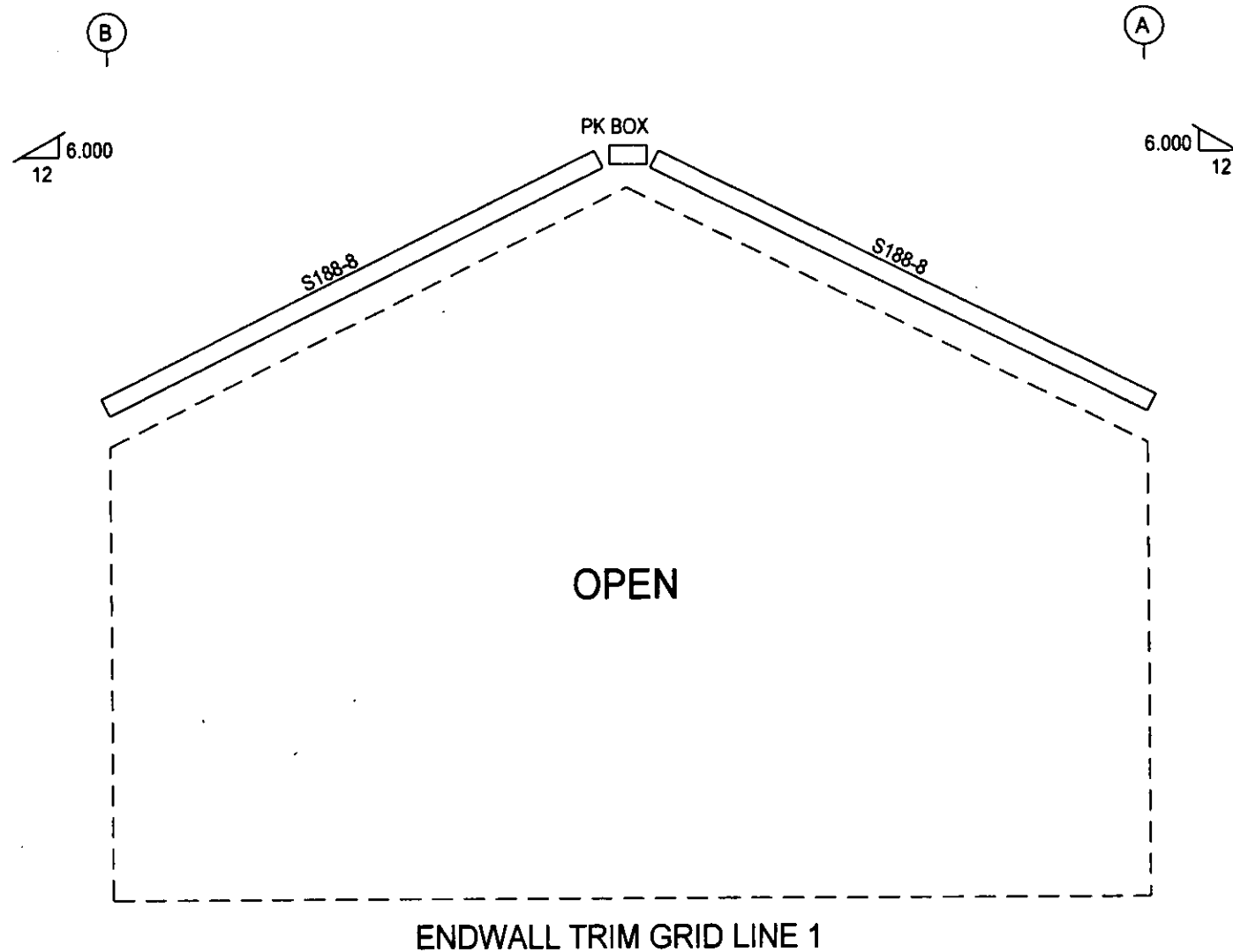
SIDEWALL TRIM GRID A




JUL 11 2008

 R & M STEEL COMPANY P. O. Box 580 Caldwell, Idaho 83405 208-454-1800 Fax 208-454-1801		REVISION	
		SCALE: _____ DATE: 7/3/08	
JOB LOCATION POWELL, ID		DRAWN BY MWC	
STATE OF IDAHO		DRAWING NUMBER 11 of 12	
SNOW COVERS			

TRIM TABLE		
FRAME LINE		1 & 6
OID	MARK	LENGTH
	S188-8	20'-6"
	PK BOX	2'-6"



JUL 11 2008

 R & M STEEL COMPANY P.O. Box 580 Caldwell, Idaho 83605 208-454-1800 Fax 208-454-1801		REVISION
		DRAWN BY MWC
SCALE:	JOB LOCATION POWELL, ID	
DATE: 7/3/08		
STATE OF IDAHO		DRAWING NUMBER 12 of 12
SNOW COVERS		